MHC-C7EX

SERVICE MANUAL

US Model
Canadian Model
E Model
Tourist Model

MHC-C7EX is composed of following models.
As for the service manual, it is issued for each component model, then, please refer to it.

Tuner/CD Player	**HCD-S70C**
Amplifier/Cassette Deck	**DXA-S70C**
Speaker System	**SS-S700**

SPECIFICATIONS

General

Power requirements
120 V AC, 60 Hz (US, Canadian model)
120 V, 220 V or 230 – 240 V
Adjustable AC, 50 / 60 Hz
(EXCEPT US, Canadian model)

Power consumption
250 W (US model)
350 VA (Canadian model)
180 W (E, Mexican, Argentine, Tourist model)

Supplied accessories

AM loop antenna (1)
Remote (1)
Sony SUM-3 (NS) batteries (2)
FM antenna (1)
Speaker cords (2)
Flat cord (1)

Design and specifications subject to change without notice.

PARTS LIST (Accessories & Packing Materials)

NOTE :

- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description
	1-467-917-11	COMMANDER, STANDARD (RM-S775)
	1-501-374-11	ANTENNA, LOOP
	1-501-659-11	ANTENNA (FM)
⚠	1-569-007-11	ADAPTER, CONVERSION 2P (Mexican, Tourist)
	1-765-063-11	CORD, SPEAKER
	1-769-279-11	CORD (WITH CONNECTOR)
	3-707-534-01	COVER, BATTERY (FOR RM-S775)
	3-759-799-11	MANUAL, INSTRUCTION (F, Argentine, Mexican, Tourist) (ENGLISH, FRENCH, SPANISH)
	3-759-799-21	MANUAL, INSTRUCTION (US, Canadian) (ENGLISH, FRENCH)
	3-759-799-41	MANUAL, INSTRUCTION (Tourist) (PORTUGUESE, CHINESE, KOREAN)
*	4-970-361-01	CUSHION
*	4-971-162-01	CUSHION (SS-S700)
*	4-972-954-01	INDIVIDUAL CARTON (US, Canadian)
*	4-972-954-11	INDIVIDUAL CARTON (EXCEPT US, Canadian)

MINI Hi-Fi COMPONENT SYSTEM

SONY®

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

9-960-051-11

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Printed in Japan

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Published by Home A&V Products Div.
Quality Engineering Dept.

DXA-S70C

SERVICE MANUAL

US Model
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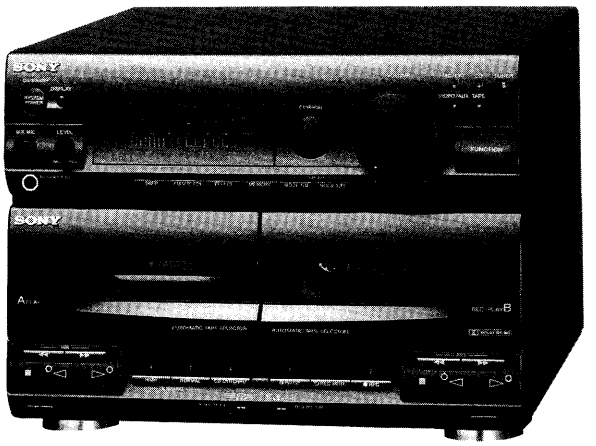
E Model
Tourist Model



- This set is the deck and amplifier section in MHC-C7EX.

Photo : E model

Tape deck Section	Model Name Using Similar Mechanism		NEW
	Tape Transport Mechanism Type	DECK A	TCM-190RA12A
		DECK B	TCM-190RB52A

SPECIFICATIONS

Amplifier section

Continuous RMS power output
- US, Canadian model :
  - 100 W+ 100 W (6 ohms at 40 – 20,000 Hz, 0.9% THD)
  - 130 W + 130 W (6 ohms at 1 kHz, 5% THD)
- E, Mexican, Argentine, Tourist model :
  - 70W+70W (6 ohms at 1kHz, 5% THD)

Inputs
- MD/DAT IN (phono jack): sensitivity 450 mV, impedance 47 kilohms
- VIDEO/AUX IN (phono jack): sensitivity 250 mV, impedance 47 kilohms
- MIX MIC (minijack): sensitivity 1 mV, impedance 10 kilohms

Outputs
- MD/DAT OUT (phono jack): sensitivity 250 mV, impedance 1 kilohm
- HEADPHONES (phone jack): accepts headphones of 8 ohms or more

Tape player section

Recording system
- 4-track 2-channel stereo

Frequency response
- (DOLBY NR OFF)
- 40 – 13,000 Hz (±3 dB), using Sony TYPE I cassette
- 40 – 14,000 Hz (±3 dB), using Sony TYPE II cassette
- 40 – 15,000 Hz (±3 dB), using Sony TYPE IV cassette

Wow and flutter
- 0.1% WRM ±0.3% (DIN)

General

Dimensions
- Approx. 280 x 205 x 315 mm (w/h/d)
- (11 1/8 x 8 1/8 x 12 1/2 inches)

Mass
- Approx. 10.0 kg (22 lb 1 oz)

Design and specifications are subject to change without notice.

使用時は添付資料も参照のこと
Refer to the accompanied documents.

MINI Hi-Fi COMPONENT SYSTEM

SONY®

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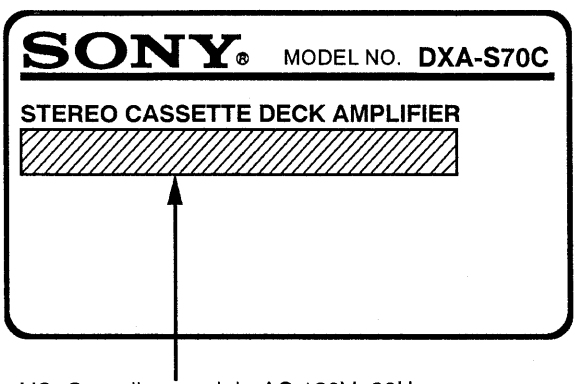
MODEL IDENTIFICATION
(Specification Label)



US, Canadian model : AC 120V~60Hz
Australian model : AC 240V~50 /60Hz
E, Mexican, Argentine,
Tourist model : AC 120/220/230-240V~50 /60Hz

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ▯▯ are trademarks of Dolby Laboratories Licensing Corporation.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

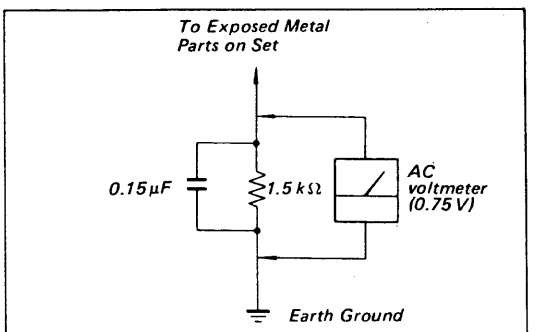


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

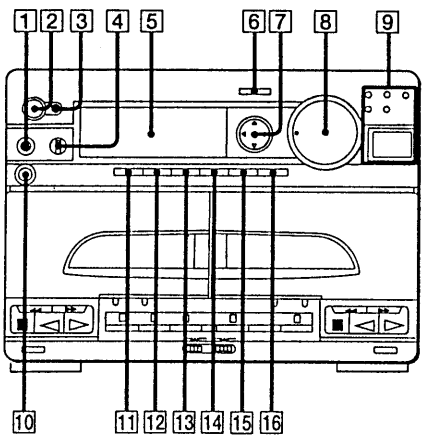
This section is extracted from MHC-C7EX (US, Canadian, E, Tourist, Argentine Model) instruction manual.

Index to Parts and Controls

Refer to the pages indicated in parentheses for details on how to use the controls. Controls with an asterisk have indicators on themselves.

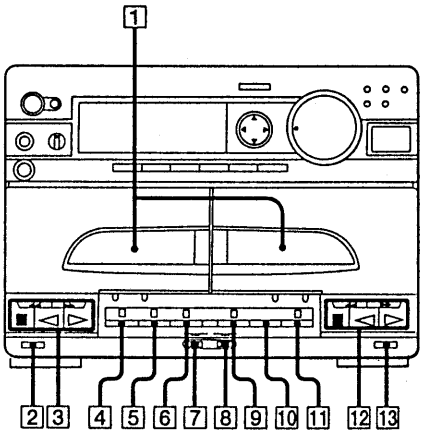
Front Panel

Amplifier section



1 MIX MIC jack (minijack) (25, 26)
2 SYSTEM POWER switch and ON/STANDBY indicator (6)
The indicator remains lit as long as the power cord is connected to a wall outlet.
3 DISPLAY button (20)
4 LEVEL control (25)
5 Display window (19, 20, 21)
6 DOLBY PRO LOGIC button (22)
(for MHC-C9EX only)
7 CURSOR (19)
8 VOLUME control (19)
9 FUNCTION button and indicators (7, 26)
10 HEADPHONES jack (phone jack) (19, 26)
11 PROLOGIC MODE button (MHC-C9EX) (22)
DBFB button* (MHC-C7EX) (19)
12 KARAOKE PON button (25)
13 DIRECT button (MHC-C9EX) (20)
EFFECT button (MHC-C7EX) (20)
14 MEMORY button (21)
15 MODE ON button (19)
16 MODE OFF button (20)

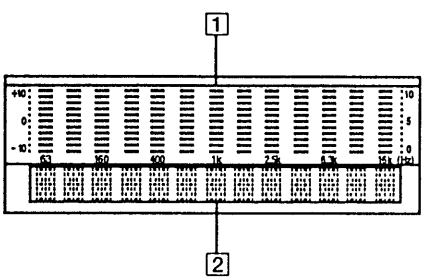
Tape player section



1 Cassette compartments (14)
2 ⏏ button (for deck A) (14)
3 Tape operating buttons (for deck A)
▷ (front side play)* (14)
◁ (reverse side play)* (14)
■ (stop) (14)
▶▶ (fast rightward) (14)
◀◀ (fast leftward) (14)
4 HIGH button* (18)
5 NORMAL button* (18)
6 CD SYNCHRO button* (15)
7 DIRECTION mode selector (14)
8 DOLBY NR selector (15)
9 II PAUSE button* (14)
10 O REC MUTE button (16)
11 ● REC button* (16)
12 Tape operating button (for deck B)
▷ (front side play)* (14)
◁ (reverse side play)* (14)
■ (stop) (14)
▶▶ (fast rightward) (14)
◀◀ (fast leftward) (14)
13 ⏏ button (for deck B) (14)

Display Window

Amplifier

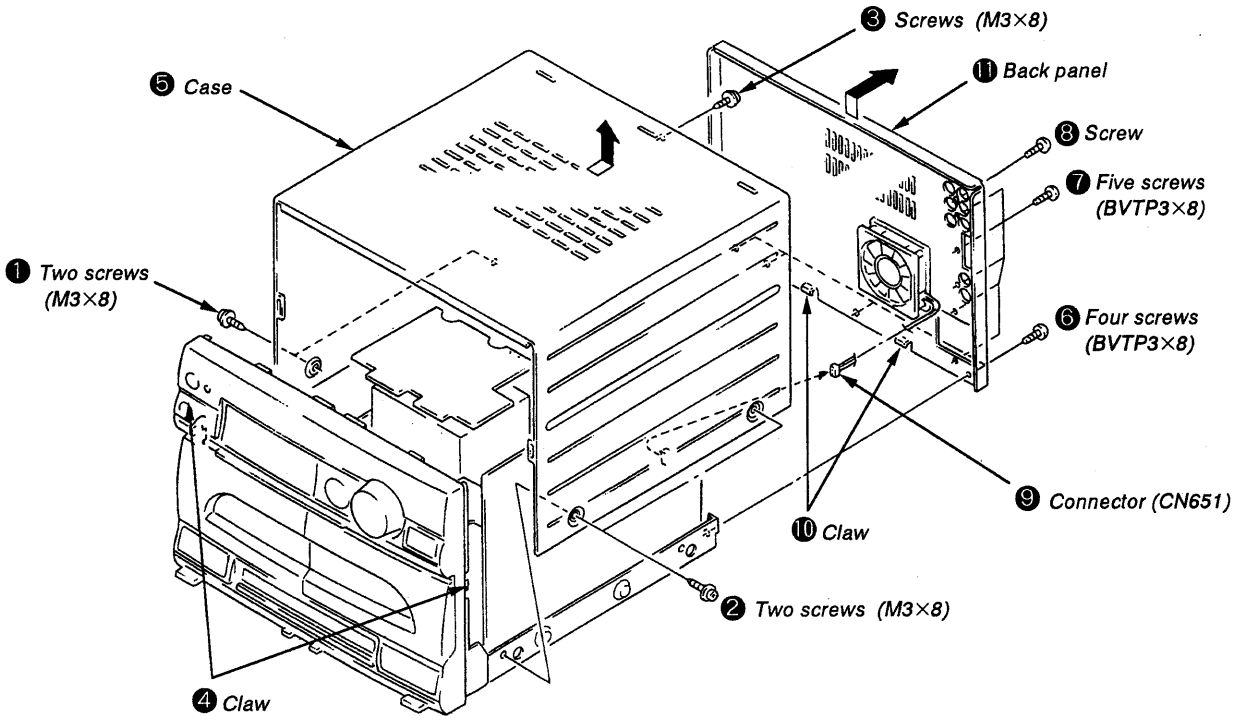


1 Graphic equalizer indications (19, 20, 21)
2 Amplifier indication (19, 20, 21)

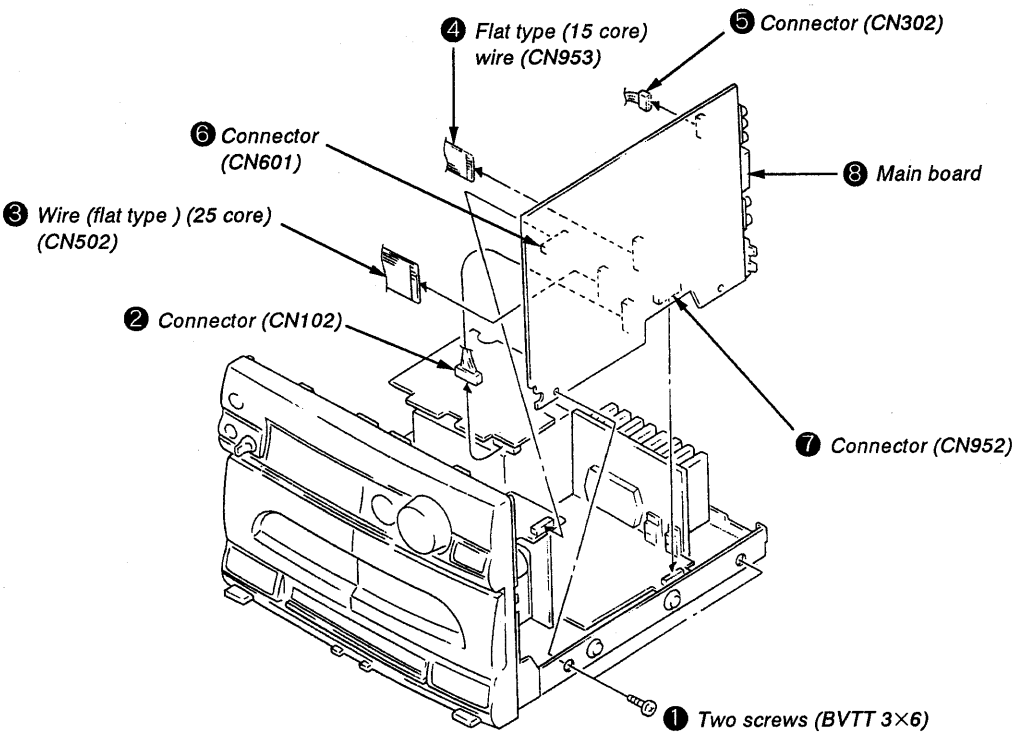
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

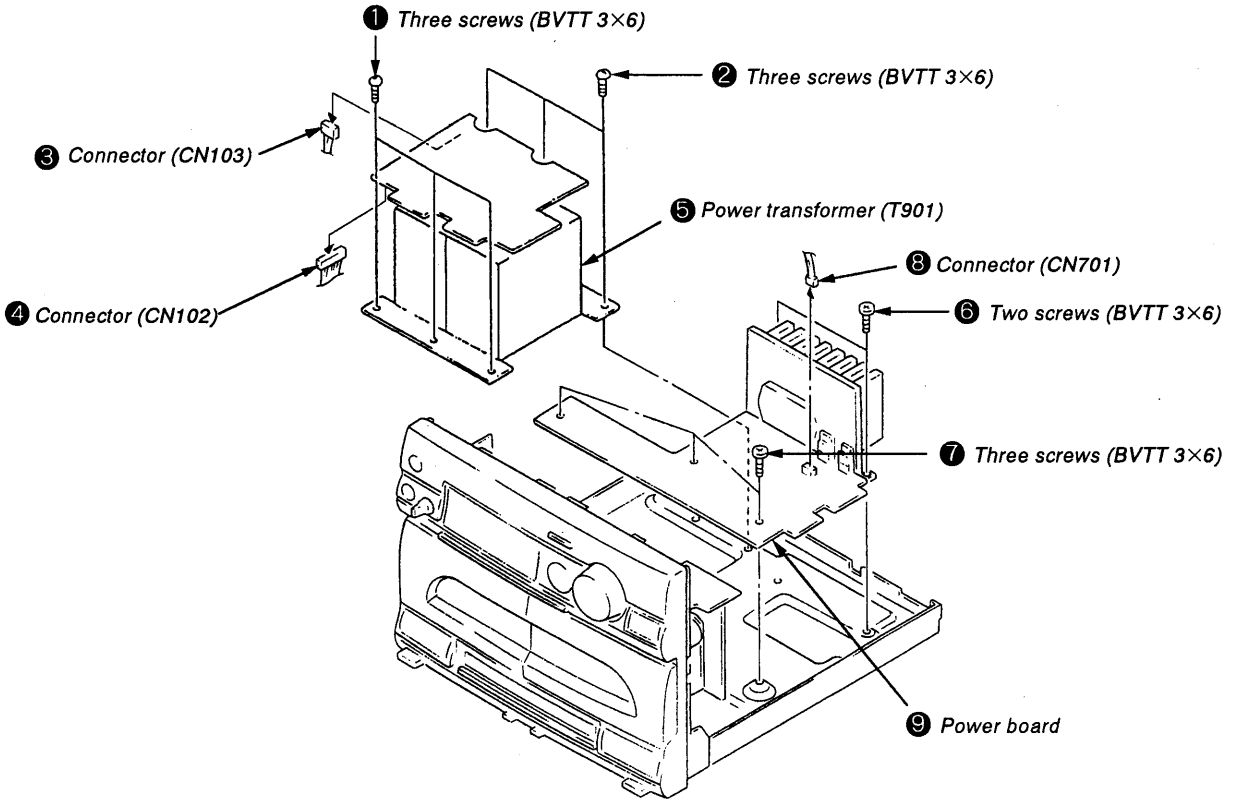
2-1. CASE, BACK PANEL REMOVAL



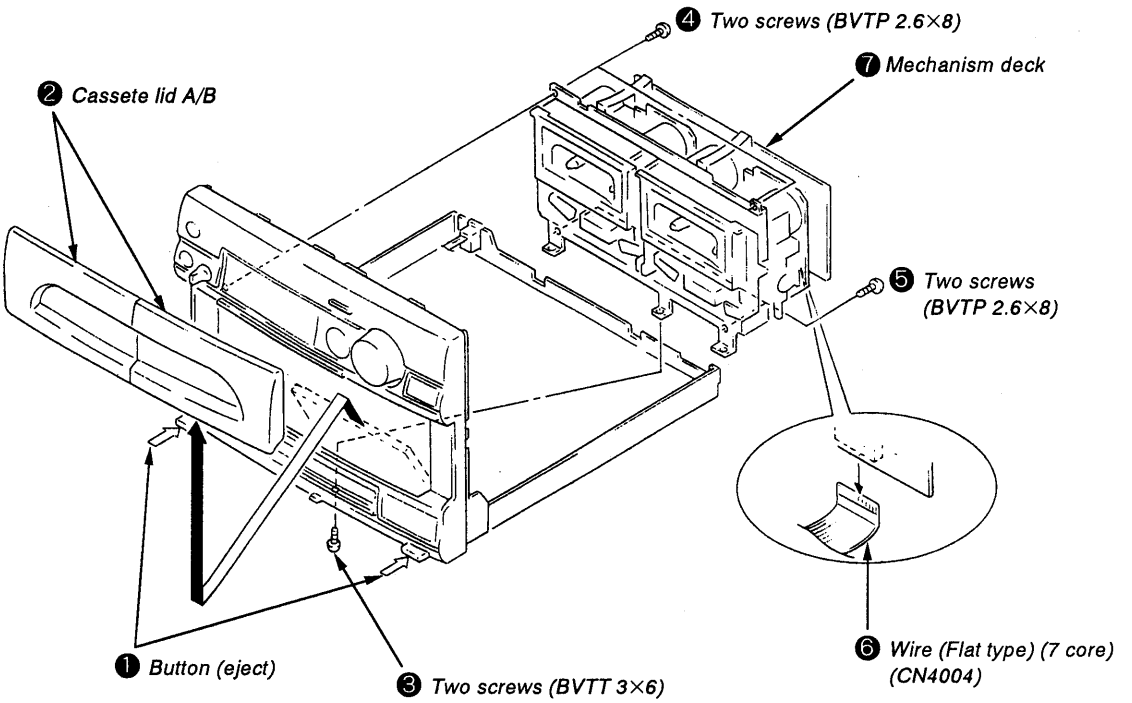
2-2. MAIN BOARD REMOVAL


❹ Flat type (15 core) wire (CN953)
❺ Connector (CN302)
❻ Connector (CN601)
❽ Main board
❸ Wire (flat type) (25 core) (CN502)
❷ Connector (CN102)
❼ Connector (CN952)
❶ Two screws (BVTT 3×6)

2-3. POWER SECTION REMOVAL


❶ Three screws (BVTT 3×6)
❷ Three screws (BVTT 3×6)
❸ Connector (CN103)
❺ Power transformer (T901)
❽ Connector (CN701)
❹ Connector (CN102)
❻ Two screws (BVTT 3×6)
❼ Three screws (BVTT 3×6)
❾ Power board

2-4. CASSETTE LID REMOVAL


❹ Two screws (BVTP 2.6×8)
❼ Mechanism deck
❷ Cassete lid A/B
❺ Two screws (BVTP 2.6×8)
❻ Wire (Flat type) (7 core) (CN4004)
❶ Button (eject)
❸ Two screws (BVTT 3×6)

SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head　　pinch roller
   erase head　　rubber belts
   capstan　　idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not biring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. Switch position
   FUNCTION switch : TAPE
   DIR MODE switch : ⇨

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	35 to 60g•cm (0.49 – 0.83 oz•inch)
Forward Back Tension	CQ-102C	2 to 6g•cm (0.028 – 0.083 oz•inch)
Reverse	CQ-102RC	35 to 60g•cm (0.49 – 0.83 oz•inch)
Reverse Back Tension	CQ-102RC	2 to 6g•cm (0.028 – 0.083 oz•inch)
FF, REW	CQ-201B	70 to 110g•cm (0.98 – 1.52 oz•inch)

SECTION 4
ELECTRICAL ADJUSTMENTS

DECK SECTION

1. The adjustment should be performed in the publication. (Be sure to make playback adjustment at first.)
2. The adjustment and measurement should be performed for both L-CH and R-CH.
   • Switch positon
   DOLBY NR switch : OFF
3. Perior to electrical adjustments, short the connector TP4001 (test mode).

• Test Tape

Tape	Contents	Use
P-4-A100	10kHz, – 10dB	Head Azimuth Adjustment
P-4-L300	315Hz, 0dB	Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

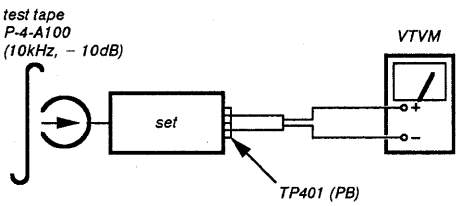
0 dB=0.775V

Record/Playback Head Azimuth Adjustment

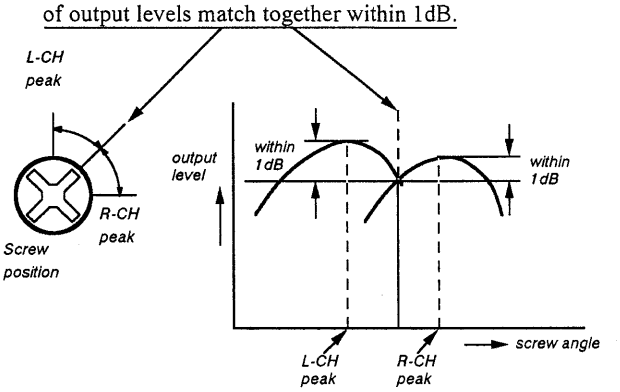
DECK A **DECD B**

Procedure :

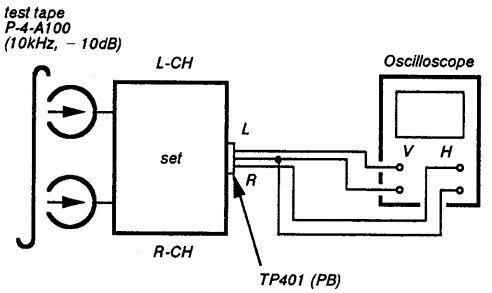
1. Forward Playback mode
   Reverse Playback mode

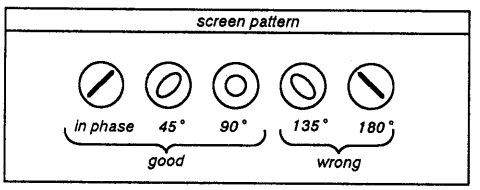


2. Turn the adjustment screw for the maximum output levels.If these levels do not match,turn the adjustment screw until both of output levels match together within 1dB.



3. Playback Mode

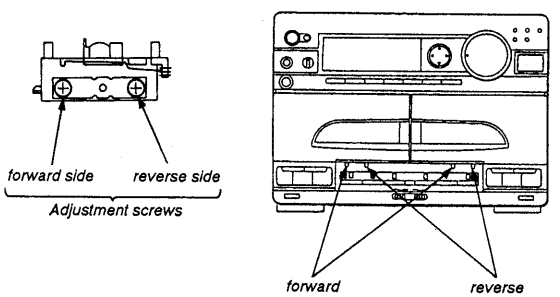




4. Change the review playback mode and repeat the steps 1 to 3.
5. After the adjustment, lock the adjustment screw with suitable locking compound.

Adjustment Location :

– record/playback head (Deck A and B)

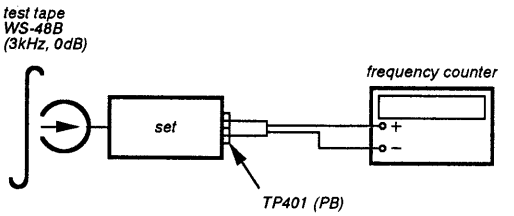


Tape Speed Adjustment DECK A DECK B

Procedure :

- Perform high speed adjustment before normal speed adjustment.

  Mode : Forward Playback



Speed	Deck	Adjustment	Frequency counter
※ High	A	RV72	5,970 to 6,030Hz
	B	RV72	
Normal	A	RV71	2,985 to 3,015Hz
	B	RV71	

* Continue to press HIGH SPEED DUBBING switch (S4514) in playback mode : High speed playback.

Frequency difference between the begining and the end of the tape should be within ± 3%.

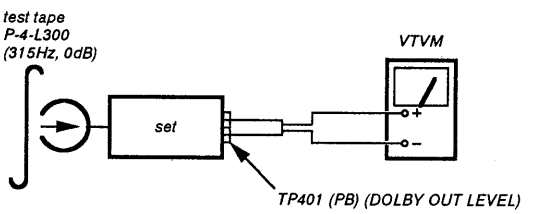
Frequency difference between deck A and deck B the biginning of the tape should be within 1.5%.

Adjustment Location : MD (AX) and MD (BX) boards.

Playback Level Adjustment DECK A DECK B

Procedure :

Mode : Playback



Deck A is RV11(L-CH)and RV21(R-CH), deck B is RV11(L-CH) and RV21(R-CH) so that adjustment within adjustment level as follows.

Adjustment Level :

LINE OUT level : – 6.0 ± 1.0dB (0.34 to 0.43V)

Level Difference between Channels : within 0.5dB

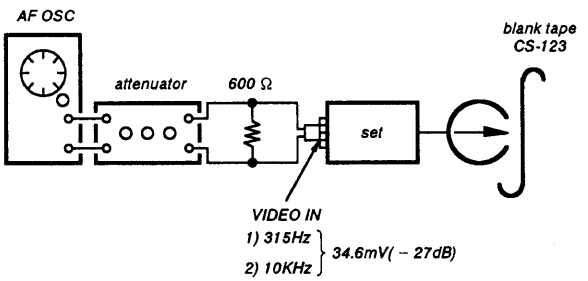
Confirm the DOLBY OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location : MD (AX) and MD (BX) boards

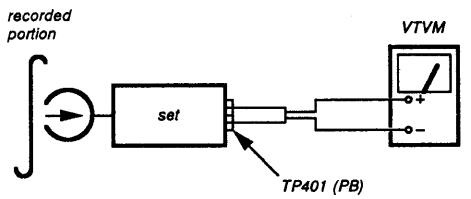
Record Bias Adjustment **DECK B**

Procedure :

1. Record mode



2. Playback mode



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjustment the RV12 (L-CH) and RV22 (R-CH) to repeat step 1 and 2.

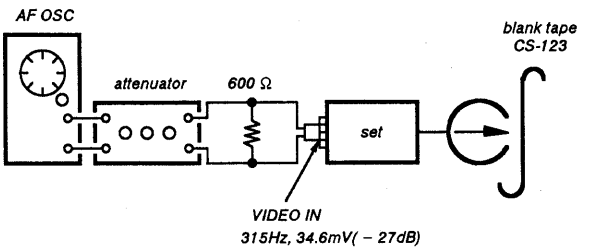
Adjustment level : Playback output of 315Hz to playback output of 10kHz : – 0.5dB to 0.5dB.
(0.732 to 0.821mV)

Adjustment Location : MD (BX) board.

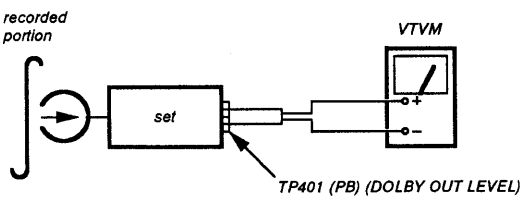
Record Level Adjustment **DECK B**

Procedure :

1. Record mode



2. Playback mode



Confirm playback the signal recorded in step become adjustment level as follows.

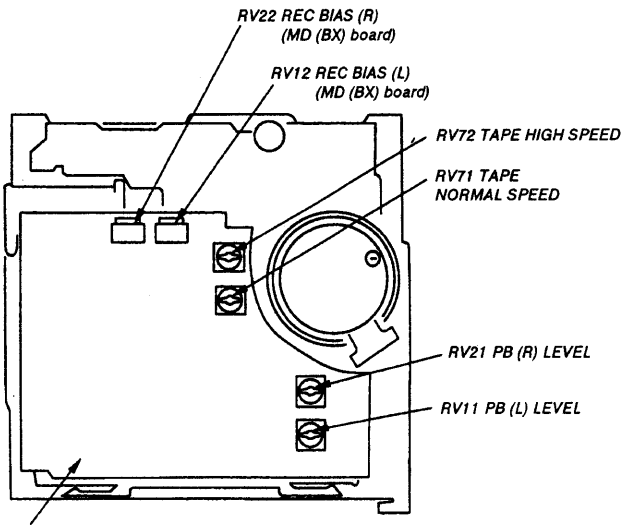
If these levels do not adjustment level, adjustment the RV401 (L-CH) and RV431 (R-CH) to repeat step 1 and 2.

Adjustment Level :
TP401 OUT level : – 26.0dB ± 0.5dB (36.6 to 41.1mV)

Adjustment Location : TC board

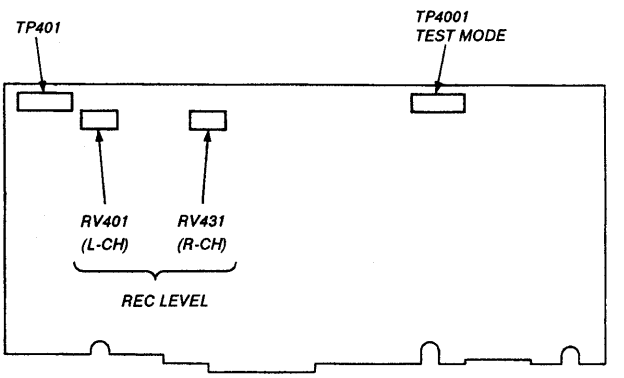
Adjustment Location :

Mechanism deck – rear side –



MD board (MD (AX), MD (BX) – Component side –

TC board – Component side –



SECTION 5
EXPLANATION OF IC TERMINALS

IC821 TMP87CC78F-6248 SYSTEM CONTROL (TA PANEL BOARD)

Pin No.	Pin name	I/O	Description
1	V_{DD}	–	Power supply 5V.
2	DBFB	O	DBFB switch LED output.
3	ON/STANBY	O	ON/STANBY switch LED output.
4	Pro Logic	–	Not used.
5	VIDEO	O	VIDEO switch LED output.
6	TAPE	O	TAPE switch LED output.
7	MD/AUX	O	MD/AUX switch LED output.
8	CD	O	CD switch LED output.
9	TUNER	O	TUNER switch LED output.
10	C75/95	I	Model ID.
11	J/U	I	Destination ID.
12	NC	–	Connected to GND.
13	NC	–	Connected to GND.
14	KEY0	I	Key switch input.
15	KEY1	I	Key switch input.
16	NC	–	Connected to GND.
17	SPE. IN-L	I	Spectrum analyzer low region input.
18	SPE. IN-H	I	Spectrum analyzer high region input
19	NC	–	Connected to GND.
20	SPE. A	O	Spectrum analyzer band select.
21	SPE. B	O	Spectrum analyzer band select.
22	V_{SS}	–	0V. (GND)
23	AV_{SS}	–	A/D conversion analog reference ground.
24	AVREF	–	A/D conversion analog reference voltage.
25	V_{DD}	–	+5V power supply.
26	STOP	I	"L" : stop mode the oscillation circuit and CPU core and peripheral circuits are stopped to reduce power consumption.
27	GND	–	GND.
28	NC	–	Connected to GND.
29	NC	–	Connected to GND.
30	V_{SS}	–	0V. (GND)
31	XI	I	High-frequency oscillator connection pin. (8.38 MHz)
32	XO	O	
33	$\overline{RESET}$	I	Microcomputer reset input.
34	FUNC. A	O	Function select.
35	FUNC. B	O	Function select.
36	KARAOKE	O	Karaoke function interrupt output.
37	SURR. A/PRO. ENBL	O	Surround/DSP function ON/OFF.
38	SURR. B/PRO. DATA	O	Serial data output terminal to SURROUND/DSP.
39	DFBF. A/PRO. CLK	O	Serial clock output terminal to DBFB/SURROUND.
40	DFBF. A/DIRECT	O	DBFB bypass ON/OFF.

Pin No.	Pin name	I/O	Description
41	DFBF. B/DIRECT	O	DBFB bypass ON/OFF.
42	GEQ. DATA	O	Serial data output to graphic equalizer.
43	GEQ. CLK	O	Serial clock output to graphic equalizer.
44	VOL. UP	O	Volume increase.
45	VOL. DOWN	O	Volume decrease.
46	MUTE	O	Mute output.
47	PWR. ON	O	Power on output.
48	AUBUS-OUT	O	Audio bus output.
49	AUBUS-IN	I	Audio bus input.
50	VKK	–	Fluorescent display tube drive power supply pin.
51 – 63 64 – 74	G13 – G1 P38 – P28	O	Fluorescent display tube 8bit high withstand voltage output port.
75 – 98	P27 – P3	I/O	Fluorescent display tube 8bit high withstand voltage input/output port.
99	P2	I/O	Fluorescent display tube 2bit high withstand voltage input/output port.
100	P1		

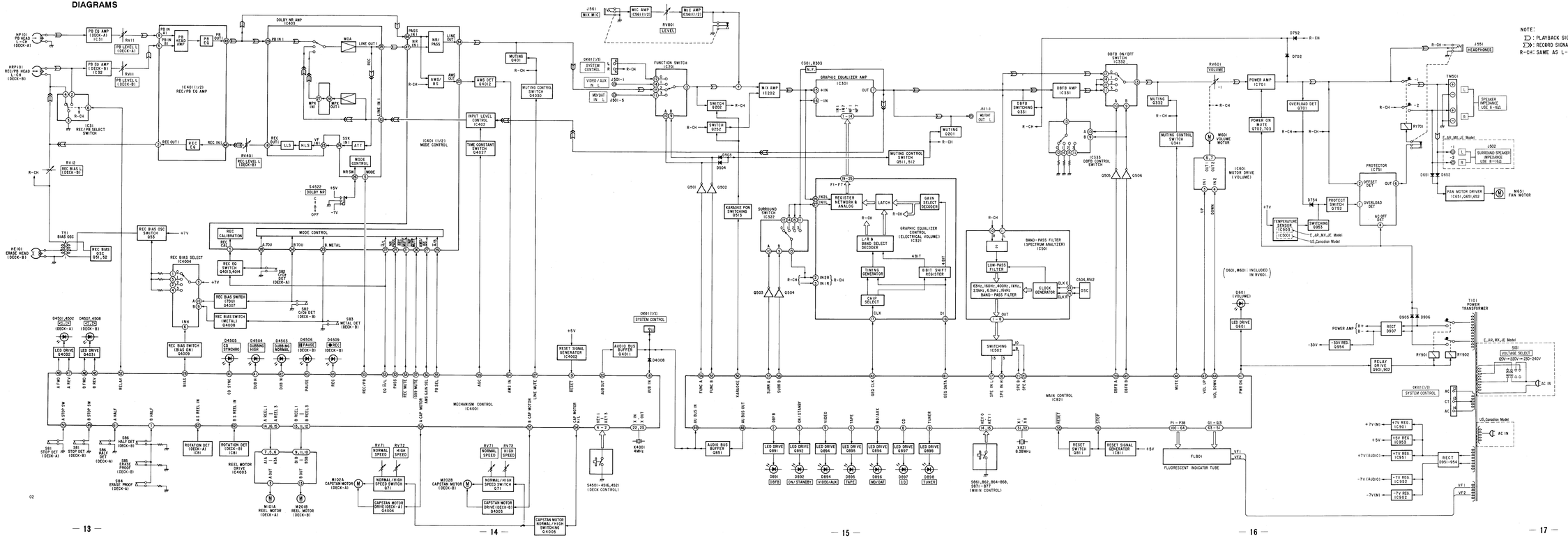
IC4001 M38123M4-116FP TC CONTROL (TC BOARD)

Pin No.	Pin name	I/O	Description
1	B HALF	I	B Half detection input. "L" : Presence "H" : Nothing
2	KEY3	I	Key input. (A/D converter analog input)
3	KEY2		
4	KEY1		
5	TEST	I	Electrical adjustment test mode setting. "L" : Test mode
6	DISP RST	O	Not used. (GND)
7	DISP SYNC		
8	DISP CLK		
9	DISP IN		
10	DISP OUT		
11	B REEL2	O	Deck B reel motor control output.
12	B REEL3		
13	B REEL1		
14	A REEL1	O	Deck A reel motor control output.
15	A REEL3		
16	A REEL2		
17	POWER IN	I	+5V power supply input.
18	AUB IN	I	Audio bus input.
19	RESET	I	Microcomputer reset input.
20	AUB OUT	O	Audio bus output.
21	XC OUT	O	Not used. (Open)
22	X IN	I	Osillator connection pins. (4MHz)
23	X OUT	O	
24	Vss	–	GND.
25	VERSION	I	Not used. (GND)
26	POWER OUT	O	Not used. (Open)
27	LINE MUTE	O	Line mute ON/OFF. "L" : ON
28	BIAS	O	Bias oscillation control output. "L" : ON
29	NC	–	Not used. (GND)
30	DAT	O	Not used. (Open)
31	CD	O	Not used. (Open)
32	PASS	O	PASS amplifier switch output to dolby.
33	EQ H/L	O	REC equalizer switching output. "L" : High speed "H" : Normal speed
34	REC MUTE	O	REC mute output.
35	PB SEL	O	Play mode deck A/B select output. "L" : DECK A "H" : DECK B
36	AMS GAIN SEL	O	AMS/BS mode select output. "H" : AMS mode "L" : BS mode
37	1599 MUTE	O	Mute output to IC401 (CXA1599Q). "H" : ON "L" : OFF
38	NC	–	Not used. (GND)
39	AGC	O	AGC mute output. "H" : ON "L" : OFF
40	CD SYNCLED	O	CD synchro dubbing LED output "H" : ON "L" : OFF

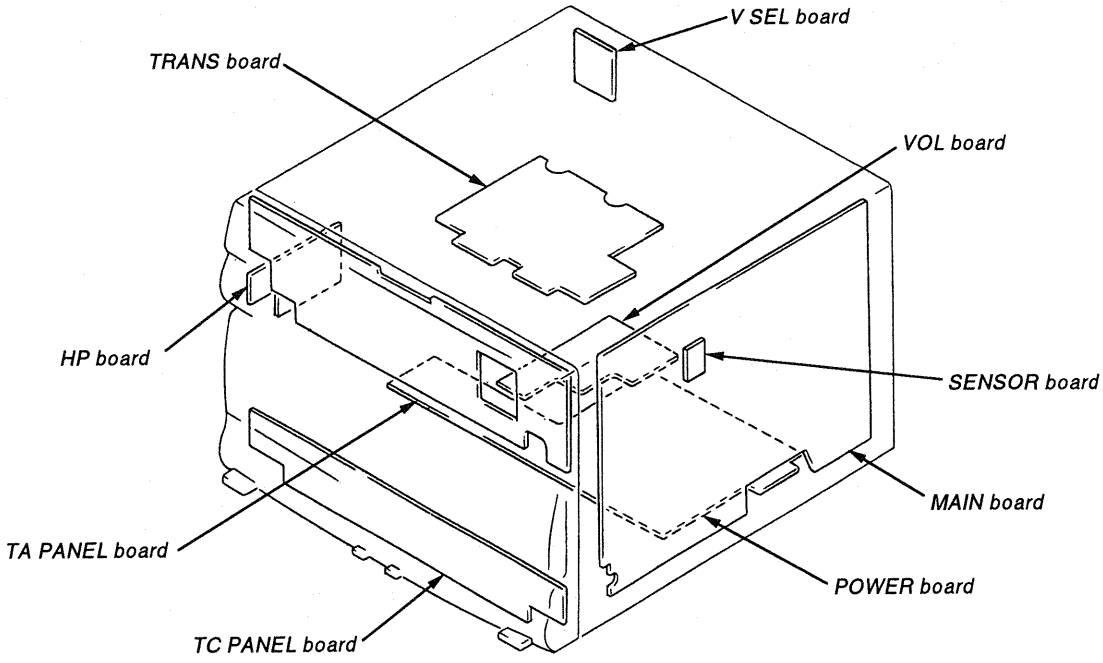
	FF	TRIG	STOP	FWD
REEL 1	H	L	L	H
REEL 2	L	H	L	L
REEL 3	H	H	L	L

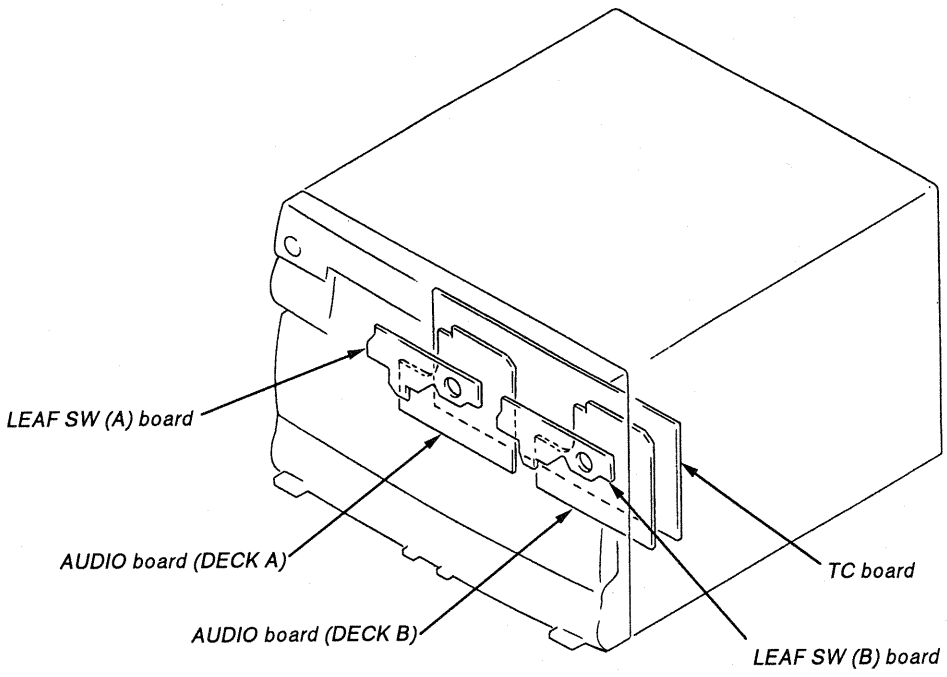
Pin No.	Pin name	I/O	Description
41	DUB HIGHTLED	O	High speed dubbing LED output. "H" : ON "L" : OFF
42	DUB NORMLED	O	Normal speed dubbing LED output. "H" : ON "L" : OFF
43	PAUSE LED	O	PAUSE LED output. "H" : ON "L" : OFF
44	REC LED	O	REC LED output. "H" : ON "L" : OFF
45	B REV LED	O	Deck B REV LED output. "H" : ON "L" : OFF
46	B FWD LED	O	Deck B FWD LED output. "H" : ON "L" : OFF
47	A REV LED	O	Deck A REV LED output. "H" : ON "L" : OFF
48	A FWD LED	O	Deck A FWD LED output. "H" : ON "L" : OFF
49	B STOP SW	I	Deck B stop detect input. "H" : STOP
50	A STOP SW	I	Deck A stop detect input. "H" : STOP
51	+7.5V DETECT	I	+7.5V power supply detect input.
52	RELAY	O	Control output to REC/PB select output. "H" : REC "L" : PLAY
53	REC/PB	O	Dolby IC (IC403) REC/PB select output. "H" : REC "L" : PLAY
54	CAP. MOT H/L	O	Capstan motor HIGH/LOW select output. "H" : HIGH "L" : LOW
55	B CAP. MOTOR	O	Deck B capstan motor control output. "H" : ON "L" : OFF
56	A CAP. MOTOR	O	Deck A capstan motor control output. "H" : ON "L" : OFF
57	Vcc	–	+5V power supply.
58	VEE	–	GND.
59	AVss	–	GND.
60	Vref	I	A/D converter reference power supply +5V.
61	A HALF	I	Deck A half detect input.
62	BS. REEL IN	I	Deck B reel table signal input.
63	AS. REEL IN	I	Deck A reel table signal input.
64	AMS IN	I	AMS input. "L" : No song "H" : Song

6-1. BLOCK DIAGRAM



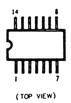
6-2. CIRCUIT BOARD LOCATION





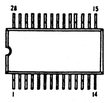
● SEMICONDUCTOR LEAD LAYOUTS

BA3308F
μPC1330AGR

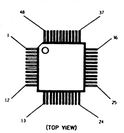


BA6208

CXA1331M

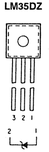


CXA1599Q

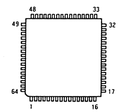


M5218AP
μPC393C

LM35DZ

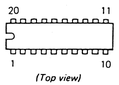


M38123M-4-116FP

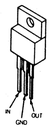


M5218AL
μPC1237HA

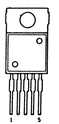
M-5289P



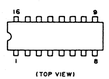
M5F7807L
M5F7907L
TA7805S



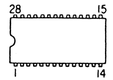
MC14052BF



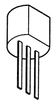
MC14052BCP
XR1091ECP



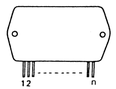
NJU7305L



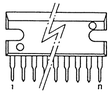
PST600E-T



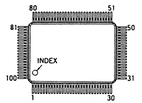
STK4162MK2
STK4231MK2



TA8242AK

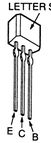


TMP87CC78F-6248



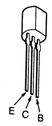
2SA1175-HFE
2SC2785-HFE
2SC3623A-LK

LETTER SIDE

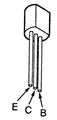


MSD601-RST1
MUN2212T1
UN2111
UN2211
UN2213
2SA1162-G
2SA1496
2SA1602-F
2SC4154-F

2SB1116-K



2SC1841-PAFAEA
2SC2551-O
2SD1616A-K

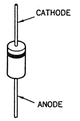


2SD999-CLCK

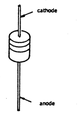
2SK246-GR3

DTA114ES
DTA124ES
DTC114ES

UZ-5.1BSC
UZP-6.2BC
1N4148M
1S1585
10E-2

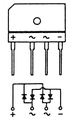


HZS11B2L
HZS30-2L
11ES2

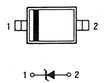


DTZ5.1C
1SS355

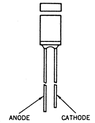
DSSBA20F01



DTZ2.0A



SEL5921A-TH15



SML1260S
SML1460E

NJL5165K-B (H1)

TLO124

XN1213

— 19 —

● SEMICONDUCTOR LOCATION

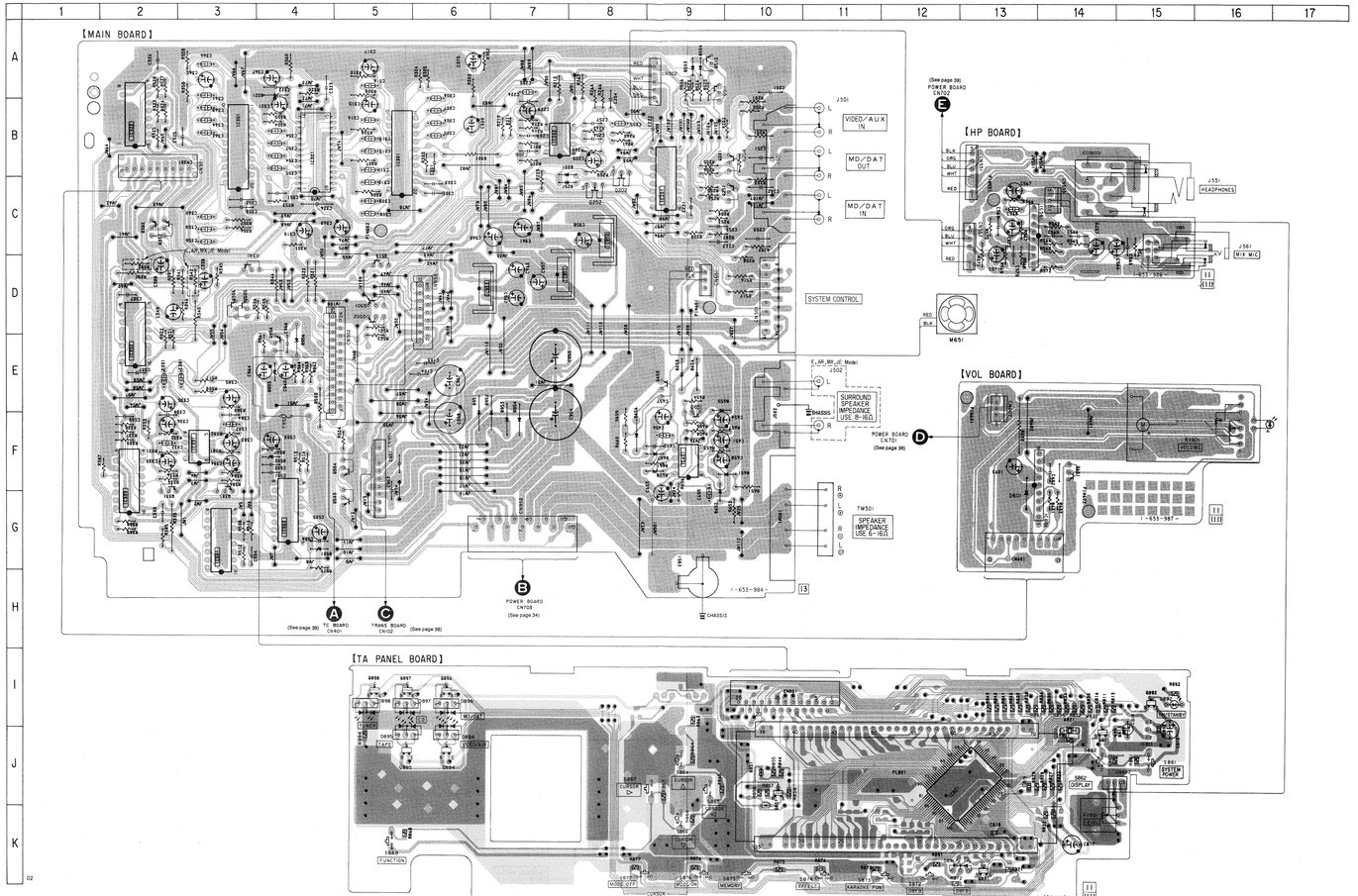
Ref. No.	Location	Ref. No.	Location
D201	B - 7	IC502	G - 4
D251	C - 7	IC561	C - 13
D321	A - 4	IC601	F - 14
D501	G - 4	IC651	F - 9
D502	F - 4	IC821	J - 13
D503	A - 9	IC951	D - 7
D504	A - 9	IC952	C - 8
D601	G - 13	IC953	D - 6
D651	F - 10		
D652	F - 9	Q201	B - 10
D653	E - 9	Q202	B - 8
D654	E - 9	Q251	C - 10
D655	E - 9	Q252	C - 8
D656	F - 8	Q331	G - 2
D657	F - 9	Q332	C - 2
D658	F - 9	Q341	D - 3
D813	J - 15	Q381	G - 3
D851	J - 10	Q382	C - 2
D852	J - 10	Q501	D - 5
D891	K - 13	Q502	D - 5
D892	I - 15	Q503	G - 5
D894	J - 6	Q504	F - 5
D895	J - 5	Q505	D - 3
D896	I - 6	Q506	D - 3
D897	I - 5	Q511	A - 9
D898	I - 5	Q512	A - 9
D951	E - 6	Q513	D - 5
D952	E - 7	Q601	F - 14
D953	E - 7	Q651	F - 9
D954	E - 7	Q652	E - 9
D955	E - 4	Q811	J - 14
D956	E - 4	Q851	J - 10
		Q891	K - 13
		Q892	I - 15
IC201	B - 9		
IC202	B - 7	Q894	J - 6
IC301	B - 5	Q895	J - 5
IC321	B - 4	Q896	I - 6
IC322	B - 2	Q897	I - 5
		Q898	I - 5
IC331	F - 3		
IC332	E - 2	Q954	E - 4
IC333	F - 2		
IC351	B - 3		
IC501	G - 3		

Note:

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.
- Abbreviations
  MX : Mexican
  AR : Argentine
  JE : Tourist

— 20 —

6-3. PRINTED WIRING BOARDS – MAIN SECTION –



— 21 —

— 22 —

Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.

Note :	Note :
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line
- B− : B− Line

- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇨ : PB (DECK A)
  ⇨ : PB (DECK B)
  ⇨ : REC (DECK B)

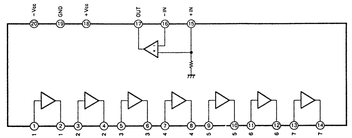
- Abbreviations
  MX : Mexican
  AR : Argentine
  JE : Tourist

● WAVEFORM

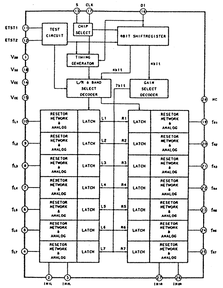
① 2.5Vp-p, 8.0MHz, IC8210

● IC BLOCK DIAGRAMS

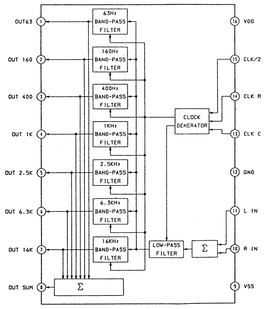
IC301 M5289P



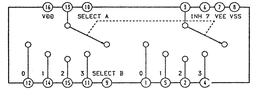
IC321 NJU7305L



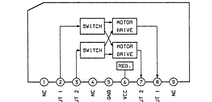
IC501 XR1091



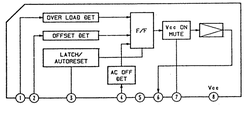
IC502 MC14052



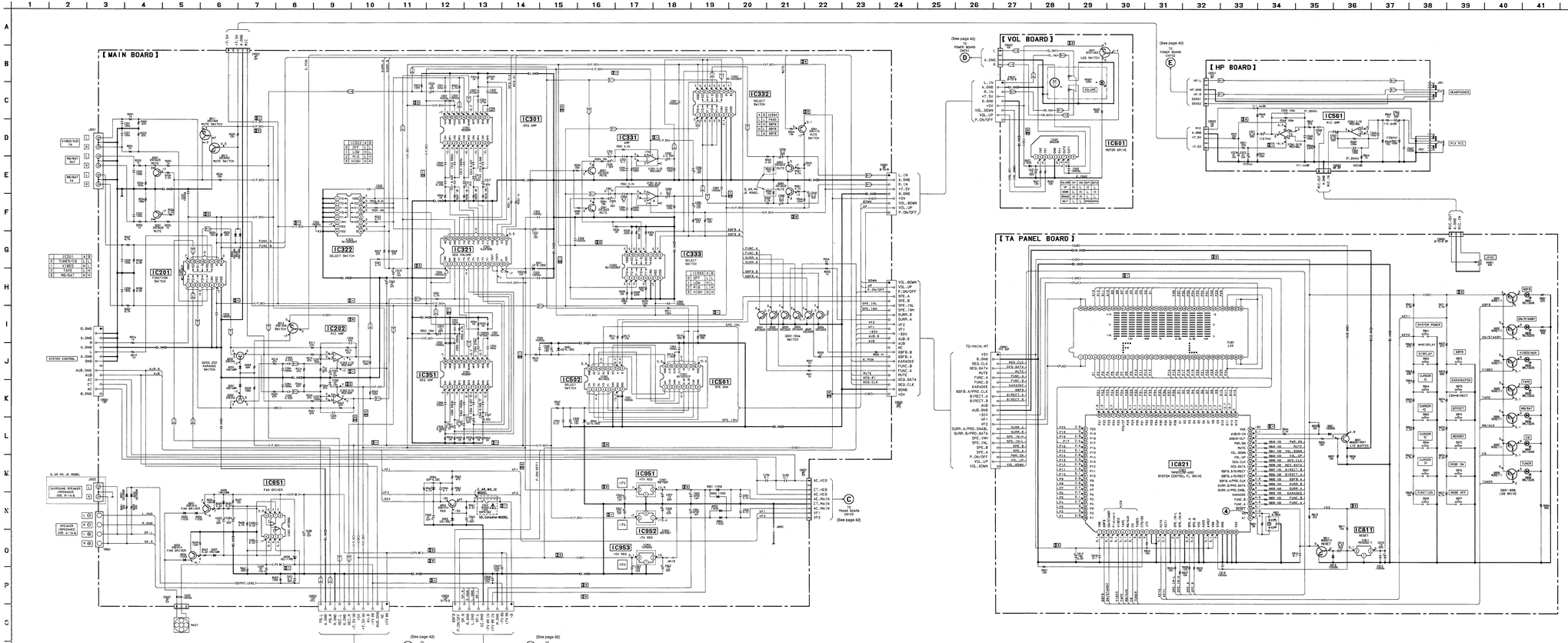
IC601 BA6208



IC751 μPC1237HA

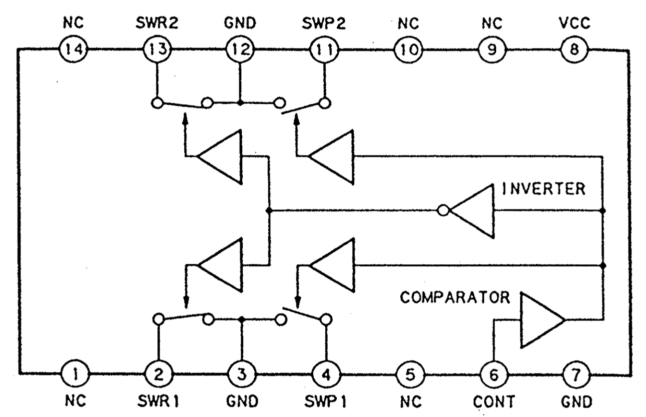


6-4. SCHEMATIC DIAGRAM – MAIN SECTION –

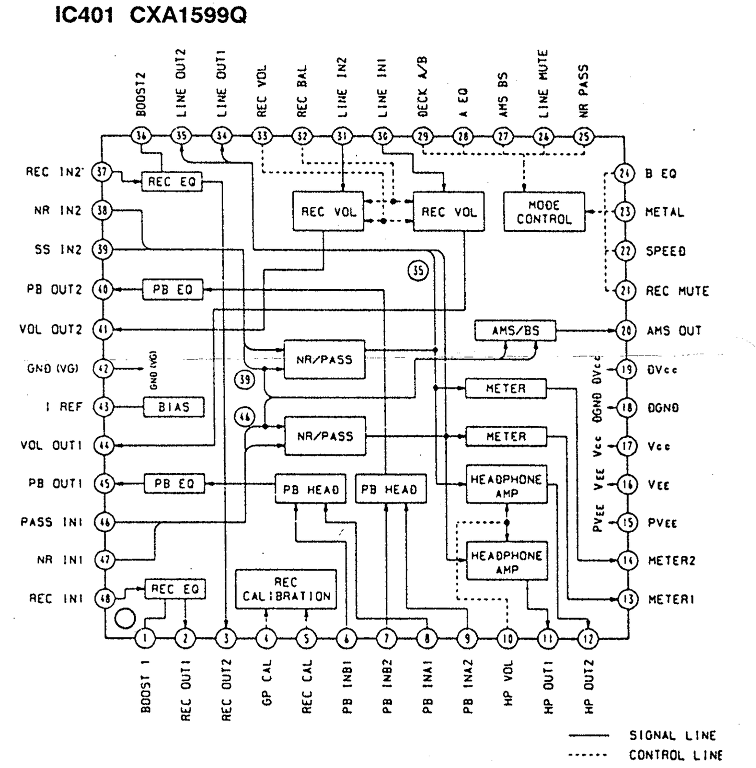

【 MAIN BOARD 】
【 VOL BOARD 】
【 HP BOARD 】
【 TA PANEL BOARD 】
IC201 FUNCTION SWITCH
IC202 VOL AMP
IC301 EQ AMP
IC321 REC SWITCH
IC322 SELECT SWITCH
IC331 REC S.IN SWITCH
IC332 SELECT SWITCH
IC333 SWITCH
IC351 EQ SW
IC501 SPC MIX
IC502 SELECT SWITCH
IC601 MOTOR DRIVE
IC651 FAN DRIVER
IC821 SYSTEM CONTROL, FL DRIVE
IC811 RESET
IC561 REC AMP
IC951 +7V REG
IC952 -7V REG
IC953 +5V REG
(See page 42) TO POWER BOARD CN101 D
(See page 42) TO POWER BOARD CN102 E
(See page 42) TO TC BOARD CN601 A
(See page 32) POWER BOARD CN103 B
(See page 42) TRANS BOARD CN102 C

• IC BLOCK DIAGRAMS

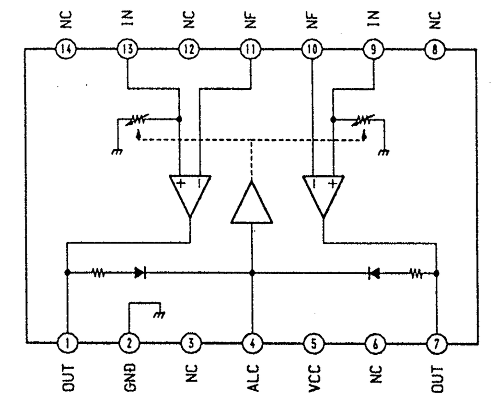
IC31 µPC1330AGR



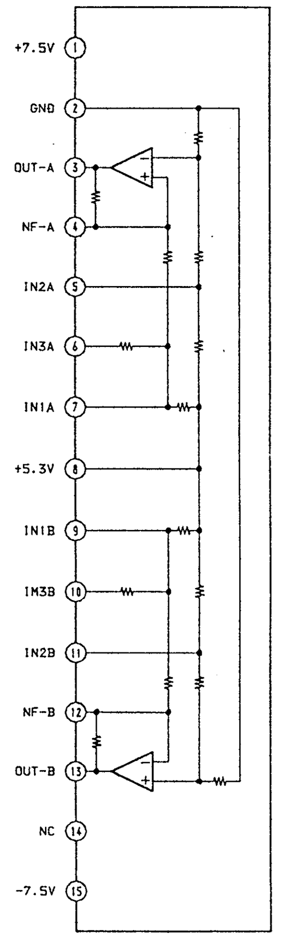
IC401 CXA1599Q



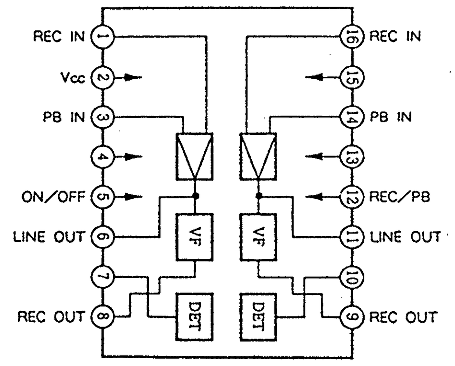
IC402 BA3308F



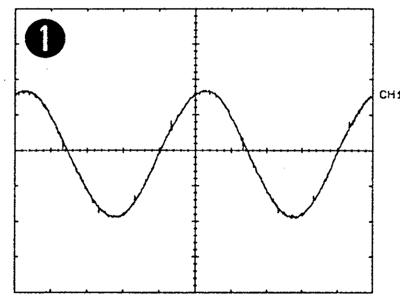
IC4003 TA8242A



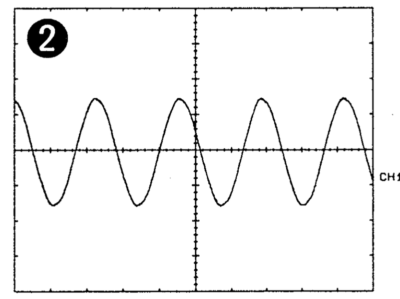
IC403 CXA1331M-T6



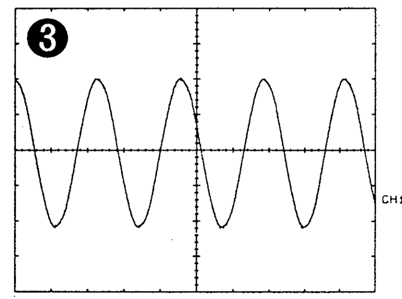
• WAVEFORMS



IC4001 ㉓ pin
4MHz
3.7Vp-p



T51
86.8kHz
153Vp-p



T51
86.8kHZ
42.8Vp-p

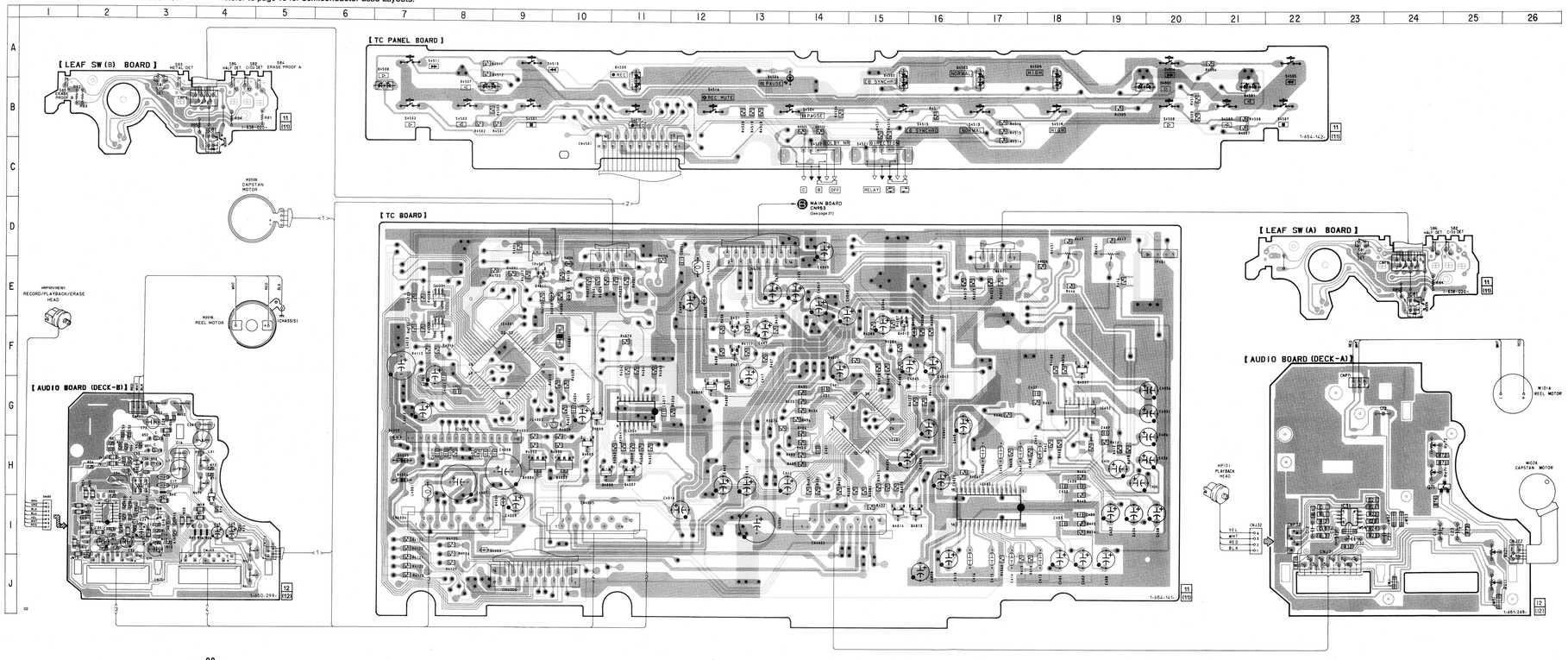
Note :

- All capacitors are in µ F unless otherwise noted. pF: µ µ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line
- B − : B − Line
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - ⇨ : FM
  - : PB (DECK A)
  - : PB (DECK B)
  - : REC (DECK B)
- Abbreviations
  - MX : Mexican
  - AR : Argentine
  - JE : Tourist

6-5. SCHEMATIC DIAGRAM – TC SECTION

【LEAF SW (A) BOARD】
【LEAF SW (B) BOARD】
IC81 ROTATION DET
【AUDIO BOARD (DECK-A)】
IC31 PLAYBACK EQ AMP
【AUDIO BOARD (DECK-B)】
IC32 PLAYBACK EQ AMP
IC31 REC/PB SELECT SWITCH
【TC BOARD】
IC4001 TC CONTROL
IC4002 RESET
IC4003 REEL MOTOR DRIVE
IC4004 BIAS SELECT
IC402 AGC
IC403 DOLBY ENCODER
IC401 ANALOG SIGNAL SWITCH
L CH REC LEVEL
R CH REC LEVEL
TEST POINT PB LR
B TO MAIN BOARD CN953 (See page 24)
【TC PANEL BOARD】
DECK A
DECK B
DIRECTION
RELAY

● Refer to page 19 for Semiconductor Lead Layouts.



● SEMICONDUCTOR LOCATION

Ref. No.	Location
D4003	I - 8
D4004	I - 9
D4005	H - 7
D4006	H - 7
D4007	F - 16
D4008	E - 10
D4009	H - 7
D4101	E - 10
D4102	E - 12
D4104	E - 10
D4501	B - 21
D4502	B - 20
D4503	A - 17
D4504	A - 18
D4505	A - 15
D4506	A - 14
D4507	B - 8
D4508	B - 7
D4509	B - 11
IC31 (DECK A)	I - 23
IC31 (DECK B)	I - 2
IC32	I - 3
IC81 (DECK A)	E - 24
IC81 (DECK B)	C - 4
IC401	G - 15
IC402	G - 19
IC403	I - 17
IC4001	F - 9
IC4002	G - 10
IC4003	H - 8
IC4004	G - 11
Q51	H - 3
Q52	H - 3
Q53	H - 3
Q71 (DECK A)	H - 25
Q71 (DECK B)	I - 4
Q401	F - 13
Q431	F - 13
Q4003	H - 10
Q4004	H - 9
Q4005	H - 10
Q4007	H - 11
Q4008	H - 10
Q4009	G - 10
Q4011	E - 9
Q4012	F - 15
Q4013	I - 16
Q4014	I - 15
Q4027	F - 19
Q4030	G - 12
Q4031	E - 8
Q4032	F - 8

Note:

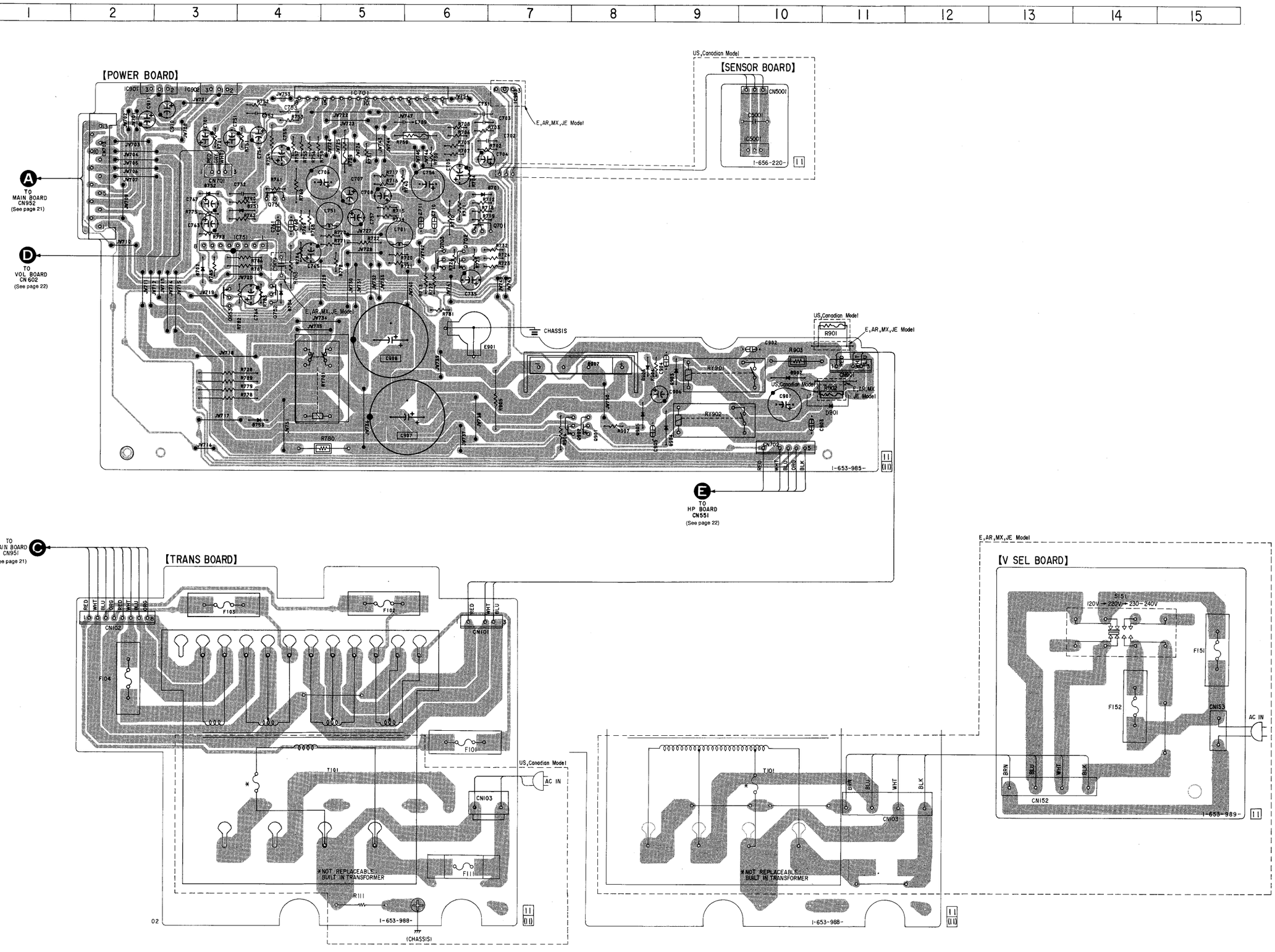
- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

• Abbreviations
MX : Mexican
AR : Argentine
JE : Tourist

6-7. PRINTED WIRING bOARDS – POWER SECTION –

• SEMICONDUCTOR LOCATION

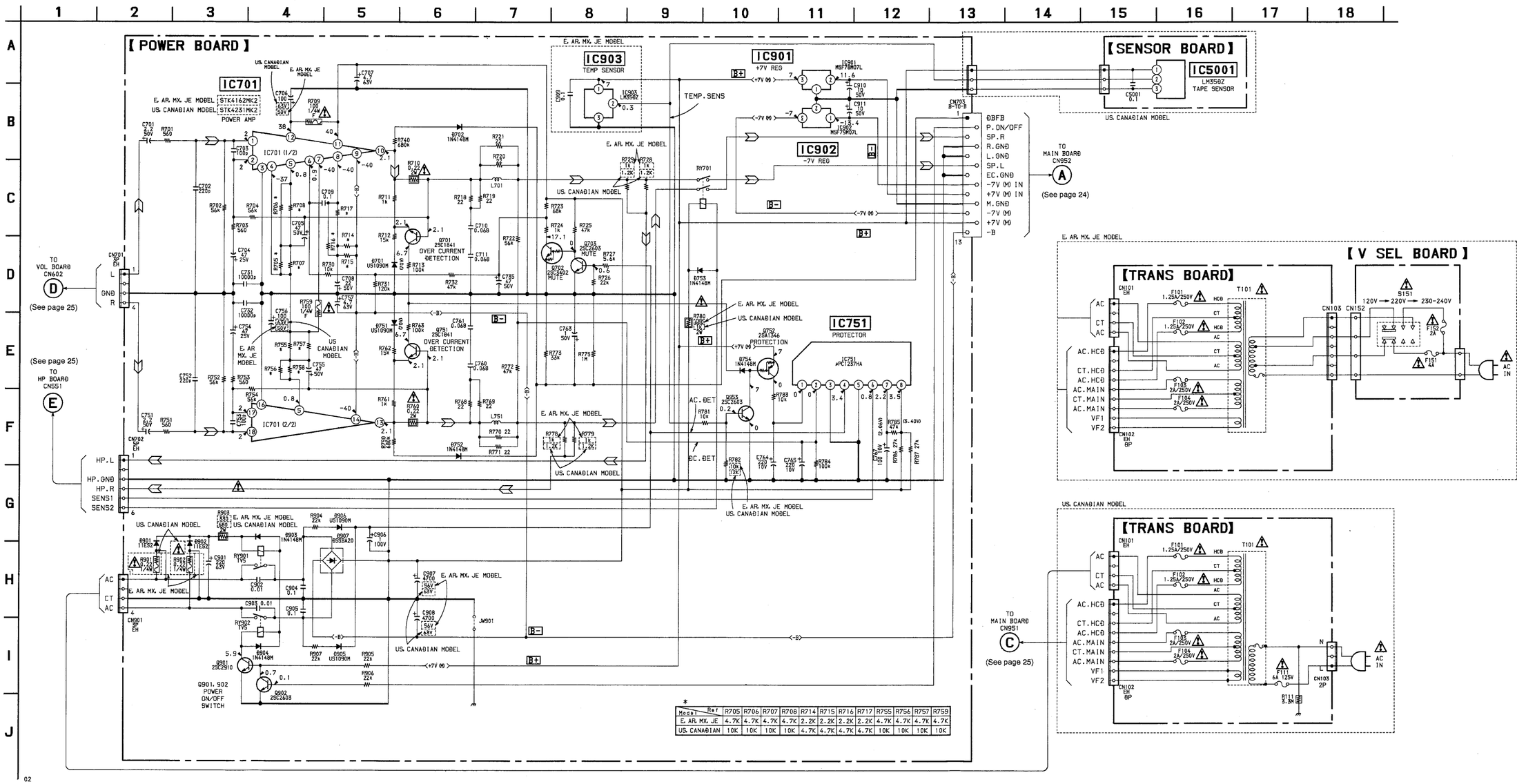
Ref. No.	Location
D701	C - 6
D702	C - 3
D751	C - 4
D752	C - 3
D753	E - 4
D754	D - 4
D901	E - 11
D902	E - 10
D903	E - 9
D904	E - 9
D905	E - 8
D906	E - 8
D907	E - 8
IC701	A - 5
IC751	C - 3
IC901	A - 2
IC902	A - 3
IC903	A - 7
Q701	C - 6
Q702	C - 6
Q703	C - 6
Q751	C - 4
Q752	D - 4
Q901	E - 8
Q902	E - 8
Q953	D - 3



Note:

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- Abbreviations
  MX : Mexican
  AR : Argentine
  JE : Tourist

6-8. SCHEMATIC DIAGRAM – POWER SECTION –



Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note :	**Note :**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- **B+** : B+ Line
- **B −** : B − Line

- Voltages are taken with a VOM (Input impedance **10M Ω**). Voltage variations may be noted due to normal production tolerances.
- Abbreviations
  MX : Mexican
  AR : Argentine
  JE : Tourist

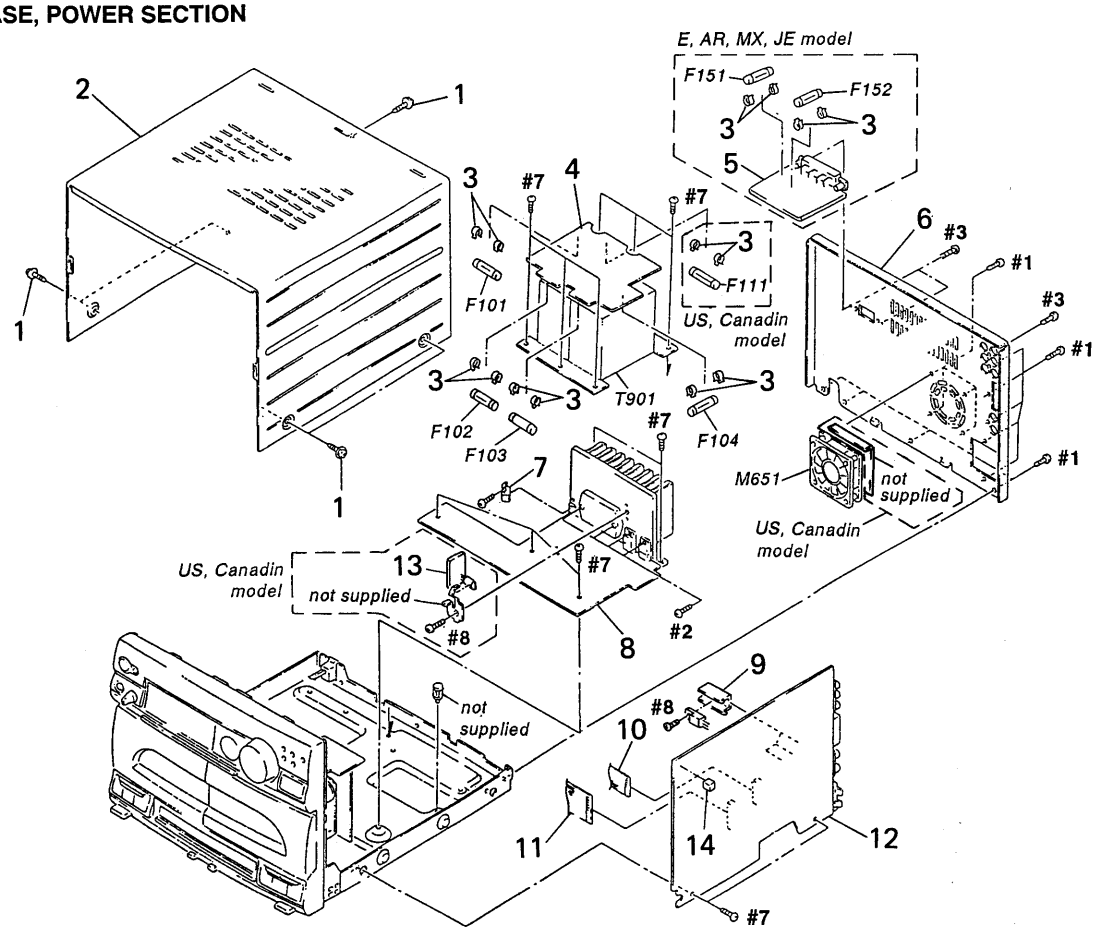
SECTION 7
EXPLODED VIEWS

NOTE :
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviations
  AR : Argentine
  MX : Mexican
  JE : Tourist

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

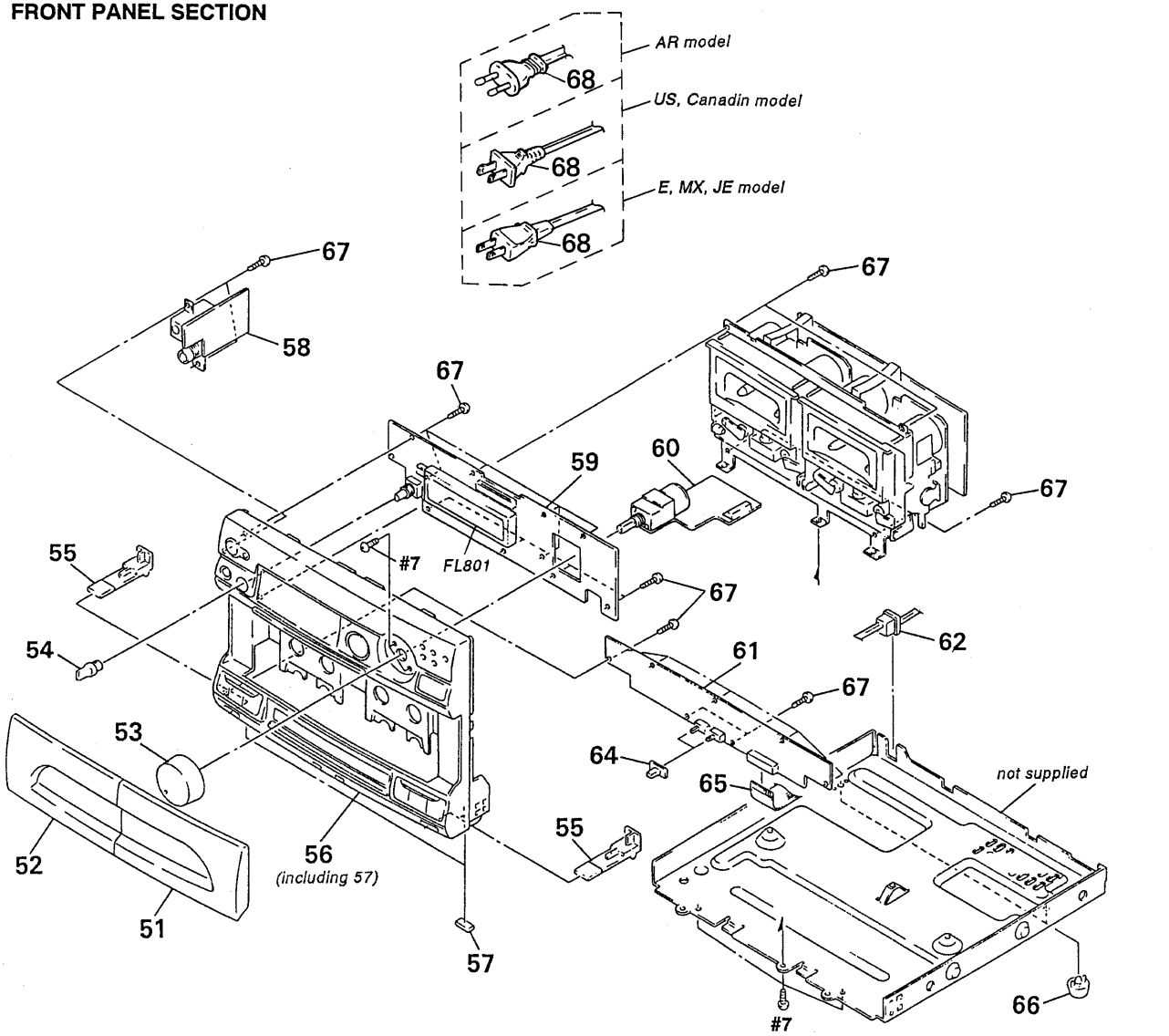
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CASE, POWER SECTION



Ref. No.	Part No.	Description	Remark
1	3-704-366-01	SCREW (CASE) (M3×8)	
* 2	4-970-402-12	CASE	
3	1-533-293-11	FUSE HOLDER (E, AR, MX, JE)	
* 4	1-653-988-11	TRANS BOARD	
* 5	1-653-989-11	V SEL BOARD (E, AR, MX, JE)	
* 6	4-970-403-62	PANEL, BACK (US)	
* 6	4-970-403-72	PANEL, BACK (Canadian)	
* 6	4-972-372-01	PANEL, BACK (E, AR, JE)	
* 6	4-972-372-81	PANEL, BACK (MX)	
* 7	4-970-431-01	BRACKET (SENSOR) (E, AR, MX, JE)	
* 8	A-4377-539-A	POWER BOARD, COMPLETE (US)	
* 8	A-4377-551-A	POWER BOARD, COMPLETE (Canadian)	
* 8	A-4377-559-A	POWER BOARD, COMPLETE (E, AR, MX, JE)	
9	3-309-144-21	HEAT SINK	
10	1-590-882-21	WIRE, FLAT TYPE (15 CORE)	
11	1-769-172-11	WIRE (FLAT TYPE) (25 CORE)	
* 12	A-4371-856-A	MAIN BOARD, COMPLETE (E, AR, MX, JE)	
* 12	A-4377-546-A	MAIN BOARD, COMPLETE (US)	
* 12	A-4377-558-A	MAIN BOARD, COMPLETE (Canadian)	
* 13	1-656-220-11	SENSOR BOARD (US, Canadian)	
14	4-930-730-01	CUSHION (TA) (Canadian)	
⚠F101	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F101	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F102	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F102	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F103	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
⚠F103	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F104	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
⚠F104	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F111	1-576-110-11	FUSE (6A) (US, Canadian)	
⚠F151	1-532-350-00	FUSE (4A/250V) (E, AR, MX, JE)	
⚠F152	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
M651	1-698-173-11	MOTOR, FAN (DC)	
⚠T901	1-427-826-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-427-827-11	TRANSFORMER, POWER (E, AR, MX, JE)	

7-2. FRONT PANEL SECTION

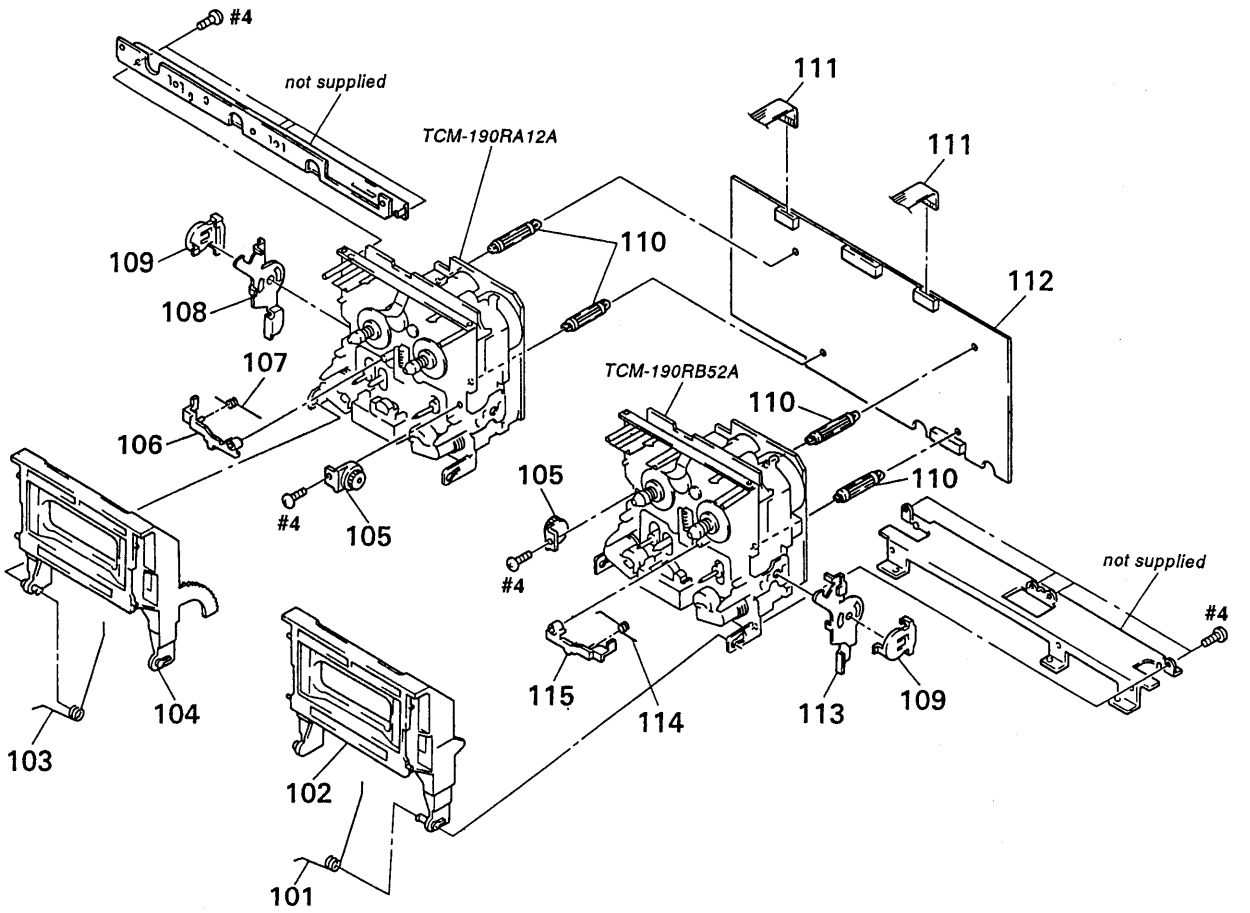


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	X-4945-394-1	LID (B) ASSY, CASSETTE	
52	X-4945-393-1	LID (A) ASSY, CASSETTE	
53	X-4945-392-1	KNOB (VOL) ASSY	
54	4-970-422-01	KNOB (MIC)	
55	4-970-424-01	BUTTON (EJECT)	
* 56	X-4945-385-1	PANEL ASSY, FRONT	
57	4-930-336-31	FOOT (FELT)	
* 58	1-653-986-11	HP BOARD	
* 59	A-4377-545-A	TA PANEL BOARD, COMPLETE (US, E, AR, MX, JE)	
* 59	A-4377-557-A	TA PANEL BOARD, COMPLETE (Canadian)	
* 60	1-653-987-11	VOL BOARD	
* 61	A-4377-544-A	TC PANEL BOARD, COMPLETE (US, E, AR, MX, JE)	

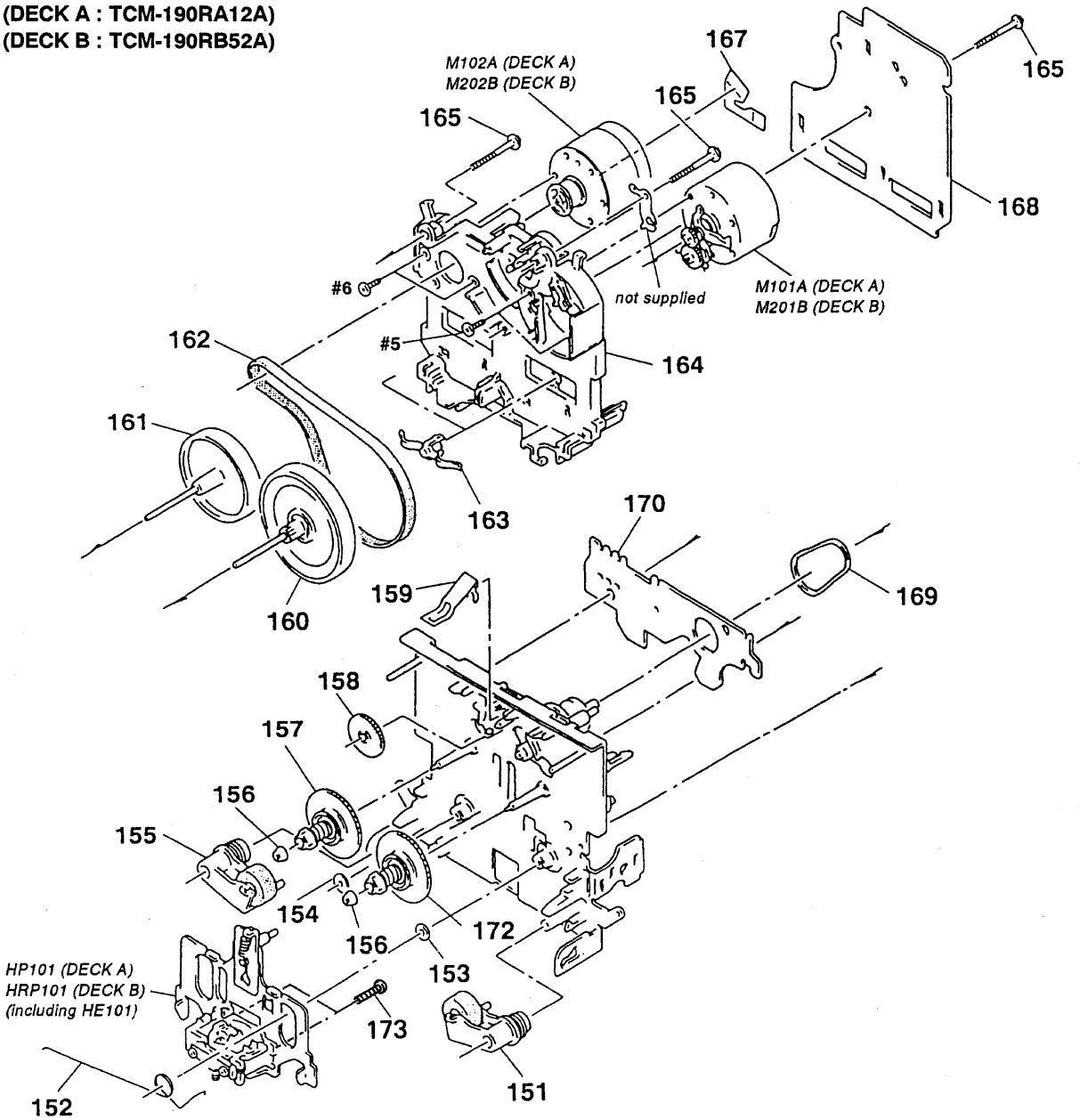
Ref. No.	Part No.	Description	Remark
* 61	A-4377-556-A	TC PANEL BOARD, COMPLETE (Canadian)	
* 62	3-703-244-00	BUSHING (2104), CORD (US, Canadian, AR)	
* 62	3-703-571-11	BUSHING (S) (4516), CORD (E, MX, JE)	
64	4-970-423-01	KNOB (SL)	
65	1-769-173-11	WIRE (FLAT TYPE) (17 CORE)	
66	4-970-381-01	FOOT (REAR)	
67	4-951-620-01	SCREW (2.6×8), +BVTP	
⚠68	1-574-805-11	CORD, POWER (AR)	
⚠68	1-574-902-11	CORD, POWER (E, MX, JE)	
⚠68	1-575-975-11	CORD, POWER (US, Canadian)	
FL801	1-517-216-11	INDICATOR TUBE, FLUORESCENT	

7-3. MECHANISM DECK SECTION-1 (CHASSIS)



Ref. No.	Part No.	Description	Remark
101	4-959-232-01	SPRING (R), TORSION	
102	X-4943-775-1	HOLDER (R) ASSY, CASSETTE	
103	4-959-231-01	SPRING (L), TORSION	
104	X-4943-776-1	HOLDER (L) ASSY, CASSETTE	
105	3-354-963-01	DAMPER	
106	3-354-955-01	LEVER (EJ SAFTY LEVER L)	
107	3-354-961-01	SPRING (EJ SAFTY SPRING L)	
* 108	3-354-953-01	LEVER (LOCK LEVER L)	
109	3-354-957-01	JOINT (LOCK LEVER)	
* 110	3-682-419-21	HOLDER, P.C.B	
111	1-765-404-11	WIRE (FLAT TYPE) (7 CORE)	
* 112	A-4377-543-A	TC BOARD, COMPLETE (US, E, AR, MX, JE)	
* 112	A-4377-555-A	TC BOARD, COMPLETE (Canadian)	
* 113	3-354-954-01	LEVER (LOCK LEVER R)	
114	3-354-962-01	SPRING (EJ SAFTY SPRING R)	
115	3-354-956-01	LEVER (EJ SAFTY LEVER R)	

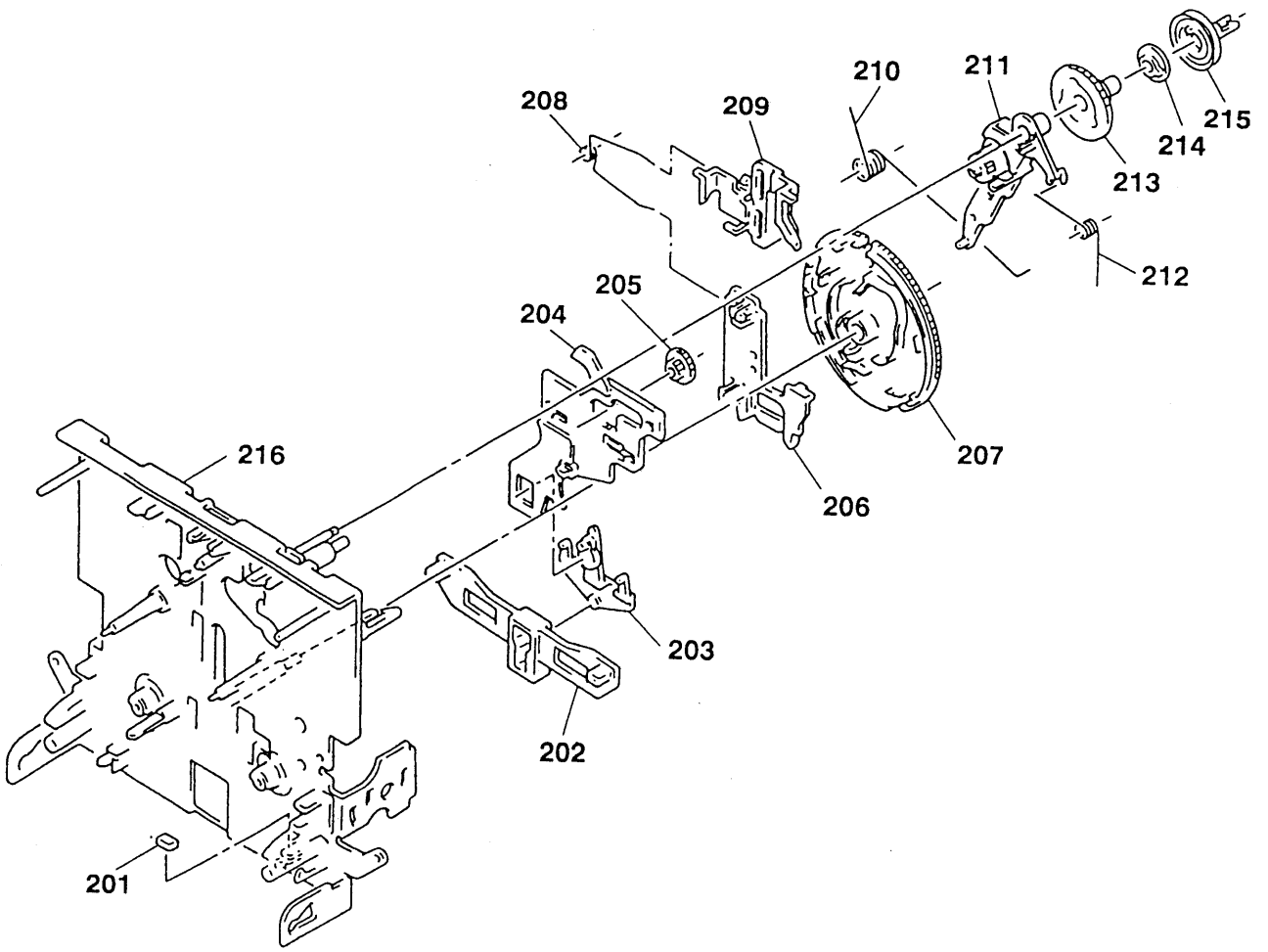
7-4. MECHANISM DECK SECTION-2
(DECK A : TCM-190RA12A)
(DECK B : TCM-190RB52A)



Ref. No.	Part No.	Description	Remark
151	X-3366-047-1	LEVER (PINCH F) ASSY	
152	3-907-362-01	SPRING, TORSION	
153	3-356-713-01	WASHER	
154	3-356-714-01	WASHER	
155	X-3366-048-1	LEVER (PINCH R) ASSY	
156	3-362-308-01	CAP (REEL)	
157	X-3366-971-1	TABLE ASSY (B), REEL	
158	3-359-424-01	GEAR (REV GEAR)	
159	3-359-430-01	SPRING (CASSETTE RETAINER), LEAF	
160	X-3367-629-1	FLYWHEEL (FWD) ASSY	
161	X-3367-630-1	FLYWHEEL (REV) ASSY	
162	3-359-417-01	BELT (FLAT), CAPSTAN	
163	3-575-321-00	RETAINER, THRUST, CAPSTAN	
164	3-359-436-11	BASE (THRUST RETAINER), FITTING	
165	3-359-414-01	SCREW (+PTPWH 2×23)	

Ref. No.	Part No.	Description	Remark
167	1-638-983-11	MOTOR FLEXIBLE BOARD	
* 168	A-2007-133-A	AUDIO BOARD, COMPLETE (DECK B)	
* 168	A-2007-266-A	AUDIO BOARD, COMPLETE (DECK A)	
169	3-359-466-01	BELT (FR), SQUARE	
* 170	1-638-020-11	LEAF SW (A) BOARD (DECK A)	
* 170	1-638-020-11	LEAF SW (B) BOARD (DECK B)	
172	X-3366-970-1	TABLE ASSY, REEL	
173	3-388-848-01	SCREW (P2×6) (B TIGHT)	
HP101	A-2003-757-A	BASE ASSY, HEAD (DECK A)	
HRP101	A-2003-930-A	BASE ASSY, HEAD (DECK B)	
M101A	X-3363-501-2	MOTOR ASSY (REEL) (DECK A)	
M102A	X-3365-377-1	MOTOR ASSY (CAPSTAN) (DECK A)	
M201B	X-3363-501-2	MOTOR ASSY (REEL) (DECK B)	
M202B	X-3365-377-1	MOTOR ASSY (CAPSTAN) (DECK B)	

7-5. MECHANISM DECK SECTION-3
(DECK A : TCM-190RA12A)
(DECK B : TCM-190RB52A)



Ref. No.	Part No.	Description	Remark
201	3-359-469-01	SPACER	
202	3-359-425-01	SLIDER (REVERSE SLIDER)	
203	3-359-426-01	LEVER (REVERSE LEVER)	
* 204	3-359-415-01	SLIDER (TRIGGER SLIDER)	(DECK A)
204	3-359-415-11	SLIDER (TRIGGER SLIDER)	(DECK B)
205	3-359-448-01	GEAR (TRIGGER)	
206	3-359-427-01	SLIDER (LEVERSE SLIDER)	
207	3-359-420-01	GEAR (CAM GEAR)	
208	3-359-454-01	SPRING, TORSION	
209	3-359-429-01	SLIDER (BRAKE PLATE)	(DECK A)

Ref. No.	Part No.	Description	Remark
209	3-359-429-11	SLIDER (BRAKE PLATE)	(DECK B)
210	3-359-456-01	SPRING(TRIGGER SPRING), TORSION	
211	X-3366-569-1	ARM ASSY, FR	
212	3-924-185-11	SPRING (FR ARM), TORSION	
213	3-359-419-11	GEAR (FR GEAR)	
214	3-359-421-01	CLUTCH (REEL DISK)	
215	3-359-418-01	PULLEY (FR PULLEY)	
216	X-3359-415-1	CHASSIS ASSY, MECHANICAL	(DECK A)
216	X-3363-790-1	CHASSIS ASSY, MECHANICAL	(DECK B)

SECTION 8
ELECTRICAL PARTS LIST

AUDIO

NOTE :
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal oxide-film resistor
  F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ , for example :
  uA.... : μ A.... , uPA.... : μ PA....
  uPB.... : μ PB.... , uPC.... : μ PC....
  uPD.... : μ PD....
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- Abbreviations
  AR : Argentine
  MX : Mexican
  JE : Tourist

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description			Remark
*	A-2007-266-A	AUDIO BOARD, COMPLETE (DECK A)			
		**********			
		< CAPACITOR >			
C11	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C12	1-136-157-00	FILM	0.022uF	5%	50V
C13	1-124-234-00	ELECT	22uF	20%	16V
C18	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C21	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C22	1-136-157-00	FILM	0.022uF	5%	50V
C23	1-124-234-00	ELECT	22uF	20%	16V
C28	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C31	1-124-234-00	ELECT	22uF	20%	16V
C32	1-124-234-00	ELECT	22uF	20%	16V
C72	1-124-499-11	ELECT, NONPOLAR	1uF	20%	50V
		< JACK >			
* CNJ31	1-580-782-11	CONNECTOR, BOARD TO BOARD			
CNJ72	1-764-902-11	CONNECTOR, FFC/FPC 4P			
		< CONNECTOR >			
* CNP32	1-580-772-11	PIN, CONNECTOR (PC BOARD) 4P			
* CNP71	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< IC >			
IC31	8-759-106-02	IC uPC4570G2			
		< JUMPER RESISTOR >			
JW1	1-216-295-00	METAL CHIP	0	5%	1/10W
JW51-54	1-216-296-00	METAL CHIP	0	5%	1/8W
		< TRANSISTOR >			
Q71	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R11	1-216-099-00	METAL CHIP	120K	5%	1/10W
R12	1-216-025-91	METAL GLAZE	100	5%	1/10W
R13	1-216-100-00	METAL GLAZE	130K	5%	1/10W
R14	1-216-068-00	METAL CHIP	6.2K	5%	1/10W
R21	1-216-099-00	METAL CHIP	120K	5%	1/10W
R22	1-216-025-91	METAL GLAZE	100	5%	1/10W
R23	1-216-100-00	METAL GLAZE	130K	5%	1/10W
R24	1-216-068-00	METAL CHIP	6.2K	5%	1/10W
R31	1-216-033-00	METAL CHIP	220	5%	1/10W
R32	1-216-033-00	METAL CHIP	220	5%	1/10W
R71	1-216-082-00	METAL GLAZE	24K	5%	1/10W
R72	1-216-081-00	METAL CHIP	22K	5%	1/10W
R73	1-216-089-00	METAL CHIP	47K	5%	1/10W
R74	1-216-089-00	METAL CHIP	47K	5%	1/10W
		< VARIABLE RESISTOR >			
RV11	1-241-761-11	RES, ADJ, CARBON 1K (PB LEVEL L)			
RV21	1-241-761-11	RES, ADJ, CARBON 1K (PB LEVEL R)			
RV71	1-241-630-11	RES, ADJ, CARBON 10K (NORMAL SPEED)			
RV72	1-241-630-11	RES, ADJ, CARBON 10K (HIGHT SPEED)			
**********					
*	A-2007-133-A	AUDIO BOARD, COMPLETE (DECK B)			
		**********			
		< CAPACITOR >			
C11	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C12	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C13	1-136-153-00	FILM	0.01uF	5%	50V
C14	1-126-177-11	ELECT	100uF	20%	10V
C15	1-124-234-00	ELECT	22uF	20%	16V
C16	1-136-434-11	FILM	120PF	5%	630V
C17	1-164-080-11	CERAMIC	390PF	10%	50V
C18	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C21	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C22	1-163-117-00	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C23	1-136-153-00	FILM	0.01uF	5%	50V
C24	1-126-177-11	ELECT	100uF	20%	10V
C25	1-124-234-00	ELECT	22uF	20%	16V
C26	1-136-434-11	FILM	120PF	5%	630V
C27	1-164-080-11	CERAMIC	390PF	10%	50V
C28	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C31-33	1-124-234-00	ELECT	22uF	20%	16V
C51	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C52	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C53	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C54	1-136-601-11	FILM	0.01uF	5%	630V
C56	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C57	1-164-346-11	CERAMIC CHIP	1uF		16V
C58	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C72	1-109-889-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
* CNJ31	1-580-782-11	CONNECTOR, BOARD TO BOARD			
* CNJ33	1-580-782-11	CONNECTOR, BOARD TO BOARD			
CNJ72	1-764-902-11	CONNECTOR, FFC/FPC 4P			
		< CONNECTOR >			
* CNP32	1-580-781-11	PIN, CONNECTOR (PC BOARD) 7P			
* CNP71	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< IC >			
IC31	8-759-249-21	IC uPC1330AGR			
IC32	8-759-106-02	IC uPC4570G2			
		< JUMPER RESISTOR >			
JW1	1-216-295-00	METAL CHIP	0	5%	1/10W
JW2	1-216-295-00	METAL CHIP	0	5%	1/10W
JW11-27	1-216-296-00	METAL CHIP	0	5%	1/8W
		< COIL >			
L11	1-410-780-11	INDUCTOR	27mH		
L21	1-410-780-11	INDUCTOR	27mH		
		< TRANSISTOR >			
Q51-53	8-729-111-29	TRANSISTOR	2SD1616A-K		
Q71	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R11	1-216-099-00	METAL CHIP	120K	5%	1/10W
R12	1-216-033-00	METAL CHIP	220	5%	1/10W
R13	1-216-081-00	METAL CHIP	22K	5%	1/10W
R14	1-216-075-00	METAL CHIP	12K	5%	1/10W
R15	1-216-107-00	METAL CHIP	270K	5%	1/10W
R16	1-249-430-11	CARBON	12K	5%	1/4W
R21	1-216-099-00	METAL CHIP	120K	5%	1/10W
R22	1-216-033-00	METAL CHIP	220	5%	1/10W
R23	1-216-081-00	METAL CHIP	22K	5%	1/10W
R24	1-216-075-00	METAL CHIP	12K	5%	1/10W
R25	1-216-107-00	METAL CHIP	270K	5%	1/10W
R26	1-249-430-11	CARBON	12K	5%	1/4W
R31	1-216-033-00	METAL CHIP	220	5%	1/10W
R32	1-216-033-00	METAL CHIP	220	5%	1/10W
R33	1-216-073-00	METAL CHIP	10K	5%	1/10W
R41	1-249-393-11	CARBON	10	5%	1/4W
R42	1-249-393-11	CARBON	10	5%	1/4W
R51	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R52	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R53	1-216-073-00	METAL CHIP	10K	5%	1/10W
R54	1-216-309-00	METAL CHIP	5.6	5%	1/10W
R55	1-216-309-00	METAL CHIP	5.6	5%	1/10W
R56	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R71	1-216-082-00	METAL GLAZE	24K	5%	1/10W
R72	1-216-081-00	METAL CHIP	22K	5%	1/10W
R73	1-216-089-00	METAL CHIP	47K	5%	1/10W
R74	1-216-089-00	METAL CHIP	47K	5%	1/10W
		< VARIABLE RESISTOR >			
RV11	1-241-761-11	RES, ADJ, CARBON 1K (PB LEVEL L)			
RV12	1-238-551-11	RES, ADJ, CARBON 220K (BIAS R)			
RV21	1-241-761-11	RES, ADJ, CARBON 1K (PB LEVEL R)			
RV22	1-238-551-11	RES, ADJ, CARBON 220K (BIAS L)			
RV71	1-241-630-11	RES, ADJ, CARBON 10K (HIGHT SPEED)			
RV72	1-241-630-11	RES, ADJ, CARBON 10K (NORMAL SPEED)			
		< TRANSFORMER >			
T51	1-423-980-11	TRANSFORMER, BIAS OSCILLATION			
**********					
*	1-653-986-11	HP BOARD			
		********			
		< CAPACITOR >			
C563	1-162-294-31	CERAMIC	0.001uF	10%	50V
C564	1-124-464-11	ELECT	0.22uF	20%	50V
C565	1-162-282-31	CERAMIC	100PF	10%	50V
C566	1-162-282-31	CERAMIC	100PF	10%	50V
C567	1-124-464-11	ELECT	0.22uF	20%	50V
C568	1-136-165-00	FILM	0.1uF	5%	50V
C569	1-162-282-31	CERAMIC	100PF	10%	50V
C570	1-162-282-31	CERAMIC	100PF	10%	50V
C571	1-124-464-11	ELECT	0.22uF	20%	50V
C572	1-126-803-11	ELECT	47uF	20%	10V

HP | LEAF SW (A) | LEAF SW (B) | MAIN

Ref.No.	Part No.	Description			Remark
C573	1-126-803-11	ELECT	47uF	20%	10V
		< CONNECTOR >			
CN551	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN552	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
* CN553	1-564-337-00	PIN, CONNECTOR 3P			
		< IC >			
IC561	8-759-634-50	IC M5218AL			
		< JACK >			
J551	1-507-854-00	JACK, PHONE (HEADPHONES)			
J561	1-562-837-21	JACK (MIX MIC)			
		< RESISTOR >			
R561	1-249-441-11	CARBON	100K	5%	1/4W
R562	1-249-417-11	CARBON	1K	5%	1/4W
R563	1-249-431-11	CARBON	15K	5%	1/4W
R564	1-249-417-11	CARBON	1K	5%	1/4W
R565	1-249-441-11	CARBON	100K	5%	1/4W
R566	1-247-887-00	CARBON	220K	5%	1/4W
R567	1-249-434-11	CARBON	27K	5%	1/4W
R568	1-249-441-11	CARBON	100K	5%	1/4W
R569	1-249-417-11	CARBON	1K	5%	1/4W
R570	1-249-441-11	CARBON	100K	5%	1/4W
R571	1-249-409-11	CARBON	220	5%	1/4W
R572	1-249-409-11	CARBON	220	5%	1/4W
**********					
*	1-638-020-11	LEAF SW (A) BOARD			
		**********			
		< CONNECTOR >			
* CNP81	1-568-850-11	SOCKET, CONNECTOR 7P			
		< IC >			
IC81	8-749-924-10	IC NJL5165K-B (H1)			
		< RESISTOR >			
R84	1-249-417-11	CARBON	1K	5%	1/4W
R85	1-249-408-11	CARBON	180	5%	1/4W
		< SWITCH >			
S81	1-571-958-11	SWITCH, PUSH (1 KEY) (STOP DET)			
S82	1-571-281-21	SWITCH, LEAF (CrO_2 DET)			
S86	1-571-281-21	SWITCH, LEAF (HALF DET)			
**********					

Ref.No.	Part No.	Description			Remark
*	1-638-020-11	LEAF SW (B) BOARD			
		**********			
		< CONNECTOR >			
* CNP81	1-568-850-11	SOCKET, CONNECTOR 7P			
		< IC >			
IC81	8-749-924-10	IC NJL5165K-B (H1)			
		< RESISTOR >			
R81	1-249-414-11	CARBON	560	5%	1/4W
R82	1-247-818-11	CARBON	300	5%	1/4W
R83	1-247-834-11	CARBON	1.3K	5%	1/4W
R84	1-249-417-11	CARBON	1K	5%	1/4W
R85	1-249-408-11	CARBON	180	5%	1/4W
		< SWITCH >			
S81	1-571-958-11	SWITCH, PUSH (1 KEY) (STOP DET)			
S82	1-571-281-21	SWITCH, LEAF (CrO_2 DET)			
S83	1-571-281-21	SWITCH, LEAF (METAL DET)			
S84	1-571-281-21	SWITCH, LEAF (ERASE PROOF(SIDE A))			
S85	1-571-281-21	SWITCH, LEAF (ERASE PROOF(SIDE B))			
S86	1-571-281-21	SWITCH, LEAF (HALF DET)			
**********					
*	A-4377-546-A	MAIN BOARD, COMPLETE (US)			
*	A-4377-558-A	MAIN BOARD, COMPLETE (Canadian)			
*	A-4371-856-A	MAIN BOARD, COMPLETE (E, AR, MX, JE)			
		**********			
*	3-309-144-21	HEAT SINK			
	7-682-548-04	SCREW +BVTT 3×8 (S)			
		< CAPACITOR >			
C103	1-164-159-11	CERAMIC	0.1uF		50V
C104	1-164-159-11	CERAMIC	0.1uF		50V
C201-203	1-162-282-31	CERAMIC	100PF	10%	50V
C204	1-162-294-31	CERAMIC	0.001uF	10%	50V
C205	1-136-157-00	FILM	0.022uF	5%	50V
C206	1-162-215-31	CERAMIC	47PF	5%	50V
C207	1-162-282-31	CERAMIC	100PF	10%	50V
C209	1-126-803-11	ELECT	47uF	20%	10V
C221	1-162-306-11	CERAMIC	0.01uF	30%	16V
C222	1-162-306-11	CERAMIC	0.01uF	30%	16V
C251-253	1-162-282-31	CERAMIC	100PF	10%	50V
C254	1-162-294-31	CERAMIC	0.001uF	10%	50V
C255	1-136-157-00	FILM	0.022uF	5%	50V
C256	1-162-215-31	CERAMIC	47PF	5%	50V

Ref. No.	Part No.	Description			Remark
C257	1-162-282-31	CERAMIC	100PF	10%	50V
C259	1-126-803-11	ELECT	47uF	20%	10V
C301	1-162-286-31	CERAMIC	220PF	10%	50V
C302	1-162-306-11	CERAMIC	0.01uF	30%	16V
C303	1-162-306-11	CERAMIC	0.01uF	30%	16V
C304	1-110-340-11	MYLAR	270PF	5%	50V
C305	1-130-479-00	MYLAR	0.0047uF	5%	50V
C306	1-130-469-00	MYLAR	680PF	5%	50V
C307	1-136-153-00	FILM	0.01uF	5%	50V
C308	1-130-473-00	MYLAR	0.0015uF	5%	50V
C309	1-136-159-00	FILM	0.033uF	5%	50V
C310	1-130-477-00	MYLAR	0.0033uF	5%	50V
C311	1-136-163-00	FILM	0.068uF	5%	50V
C312	1-136-153-00	FILM	0.01uF	5%	50V
C313	1-136-168-00	FILM	0.18uF	5%	50V
C314	1-136-158-00	FILM	0.027uF	5%	50V
C315	1-124-902-00	ELECT	0.47uF	20%	50V
C316	1-136-163-00	FILM	0.068uF	5%	50V
C317	1-124-903-11	ELECT	1uF	20%	50V
C319	1-126-803-11	ELECT	47uF	20%	10V
C320	1-126-964-11	ELECT	10uF	20%	50V
C321	1-126-803-11	ELECT	47uF	20%	10V
C322-326					
	1-162-306-11	CERAMIC	0.01uF	30%	16V
C331	1-136-165-00	FILM	0.1uF	5%	50V
C332	1-136-165-00	FILM	0.1uF	5%	50V
C333	1-124-903-11	ELECT	1uF	20%	50V
C334	1-162-282-31	CERAMIC	100PF	10%	50V
C335	1-124-925-11	ELECT	2.2uF	20%	100V
C336	1-126-933-11	ELECT	100uF	20%	10V
C337	1-162-306-11	CERAMIC	0.01uF	30%	16V
C338	1-124-925-11	ELECT	2.2uF	20%	100V
C339	1-162-306-11	CERAMIC	0.01uF	30%	16V
C349	1-124-925-11	ELECT	2.2uF	20%	100V
C351	1-162-286-31	CERAMIC	220PF	10%	50V
C352	1-162-306-11	CERAMIC	0.01uF	30%	16V
C353	1-162-306-11	CERAMIC	0.01uF	30%	16V
C354	1-110-340-11	MYLAR	270PF	5%	50V
C355	1-130-479-00	MYLAR	0.0047uF	5%	50V
C356	1-130-469-00	MYLAR	680PF	5%	50V
C357	1-136-153-00	FILM	0.01uF	5%	50V
C358	1-130-473-00	MYLAR	0.0015uF	5%	50V
C359	1-136-159-00	FILM	0.033uF	5%	50V
C360	1-130-477-00	MYLAR	0.0033uF	5%	50V
C361	1-136-163-00	FILM	0.068uF	5%	50V
C362	1-136-153-00	FILM	0.01uF	5%	50V
C363	1-136-168-00	FILM	0.18uF	5%	50V
C364	1-136-158-00	FILM	0.027uF	5%	50V
C365	1-124-902-00	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description			Remark
C366	1-136-163-00	FILM	0.068uF	5%	50V
C367	1-124-903-11	ELECT	1uF	20%	50V
C369	1-126-803-11	ELECT	47uF	20%	10V
C370	1-126-964-11	ELECT	10uF	20%	50V
C381	1-136-165-00	FILM	0.1uF	5%	50V
C382	1-136-165-00	FILM	0.1uF	5%	50V
C383	1-124-903-11	ELECT	1uF	20%	50V
C384	1-162-282-31	CERAMIC	100PF	10%	50V
C385	1-124-925-11	ELECT	2.2uF	20%	100V
C386	1-126-933-11	ELECT	100uF	20%	10V
C387	1-162-306-11	CERAMIC	0.01uF	30%	16V
C388	1-124-925-11	ELECT	2.2uF	20%	100V
C389	1-162-306-11	CERAMIC	0.01uF	30%	16V
C501	1-162-306-11	CERAMIC	0.01uF	30%	16V
C502	1-162-306-11	CERAMIC	0.01uF	30%	16V
C503	1-126-933-11	ELECT	100uF	20%	10V
C504	1-162-294-31	CERAMIC	0.001uF	10%	50V
C505	1-126-933-11	ELECT	100uF	20%	10V
C506	1-162-306-11	CERAMIC	0.01uF	30%	16V
C651	1-124-927-11	ELECT	4.7uF	20%	100V
C652	1-162-306-11	CERAMIC	0.01uF	30%	16V
C653	1-126-964-11	ELECT	10uF	20%	50V
C654	1-124-903-11	ELECT	1uF	20%	50V
C655	1-136-169-00	FILM	0.22uF	5%	50V
C656	1-136-169-00	FILM	0.22uF	5%	50V
C657	1-126-803-11	ELECT	47uF	20%	10V
C658	1-126-803-11	ELECT	47uF	20%	10V
C951	1-162-306-11	CERAMIC	0.01uF	30%	16V
C952	1-162-306-11	CERAMIC	0.01uF	30%	16V
C953	1-126-937-11	ELECT	4700uF	20%	16V
C954	1-126-937-11	ELECT	4700uF	20%	16V
C957	1-126-964-11	ELECT	10uF	20%	50V
C958	1-126-964-11	ELECT	10uF	20%	50V
C960	1-126-925-11	ELECT	470uF	20%	10V
C961	1-126-925-11	ELECT	470uF	20%	10V
C962	1-126-964-11	ELECT	10uF	20%	50V
C963	1-126-933-11	ELECT	100uF	20%	10V
C964	1-126-964-11	ELECT	10uF	20%	50V
C965	1-126-967-11	ELECT	47uF	20%	50V
C966	1-164-159-11	CERAMIC	0.1uF		50V
C967	1-126-927-11	ELECT	2200uF	20%	10V
C968	1-126-927-11	ELECT	2200uF	20%	10V

< CONNECTOR >

* CN301	1-569-495-11	SOCKET, CONNECTOR 9P	
CN302	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
* CN501	1-750-923-11	HOUSING, CONNECTOR (PC BOARD) 15P	(SYSTEM CONTROL)
CN651	1-564-506-11	PLUG, CONNECTOR 3P	

MAIN

Ref. No.	Part No.	Description	Remark
CN952	1-766-950-11	CONNECTOR, BOARD TO BOARD 13P	
CN953	1-695-338-11	PIN, CONNECTOR (PC BOARD) 15P	
		< DIODE >	
D201	8-719-987-63	DIODE 1N4148M	
D251	8-719-987-63	DIODE 1N4148M	
D321	8-719-010-39	DIODE UZ-5.1BSC	
D501	8-719-010-39	DIODE UZ-5.1BSC	
D502	8-719-010-39	DIODE UZ-5.1BSC	
D503	8-719-987-63	DIODE 1N4148M	
D504	8-719-987-63	DIODE 1N4148M	
D651	8-719-815-85	DIODE 1S1585	
D652	8-719-815-85	DIODE 1S1585	
D653	8-719-200-82	DIODE 11ES2	
D654	8-719-200-82	DIODE 11ES2	
D655	8-719-987-63	DIODE 1N4148M	
D656	8-719-200-82	DIODE 11ES2	
D657	8-719-987-63	DIODE 1N4148M	
D658	8-719-933-67	DIODE HZS11B2L	
D951-954	8-719-200-82	DIODE 11ES2	
D955	8-719-934-22	DIODE HZS30-2L	
D956	8-719-014-80	DIODE UZP-6.2BC	
		< PLATE, GROUND >	
* E951	4-942-204-01	PLATE, GROUND	
		< FUSE >	
⚠F953	1-532-773-21	FUSE, MICRO (SECONDARY) (0.5A/125V) (US, Canadian)	
		< IC >	
IC201	8-759-000-48	IC MC14052BCP	
IC202	8-759-634-51	IC M5218AP	
IC301	8-759-633-78	IC M5289P	
IC321	8-759-081-01	IC NJU7305L	
IC322	8-759-000-48	IC MC14052BCP	
IC331	8-759-634-51	IC M5218AP	
IC332	8-759-000-48	IC MC14052BCP	
IC333	8-759-000-48	IC MC14052BCP	
IC351	8-759-633-78	IC M5289P	
IC501	8-759-991-11	IC XR1091ECP	
IC502	8-759-000-48	IC MC14052BCP	
IC651	8-759-103-93	IC uPC393C	
IC951	8-759-604-86	IC M5F7807L	
IC952	8-759-604-90	IC M5F7907L	
IC953	8-759-231-53	IC TA7805S	

Ref. No.	Part No.	Description	Remark
		< JACK >	
J501	1-565-320-61	JACK, PIN 6P (VIDEO/AUX IN, MD/DAT IN, MD/DAT OUT)	
J502	1-569-181-11	JACK, PIN 2P (SURROUND SPEAKER)	(E, AR, MX, JE)
		< TRANSISTOR >	
Q201	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q202	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q251	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q252	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q331	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q332	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q341	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q381	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q382	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q501-506	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q511	8-729-900-61	TRANSISTOR DTA114ES	
Q512	8-729-900-80	TRANSISTOR DTC114ES	
Q513	8-729-900-61	TRANSISTOR DTA114ES	
Q651	8-729-118-01	TRANSISTOR 2SB1116-K	
Q652	8-729-118-01	TRANSISTOR 2SB1116-K	
Q954	8-729-118-01	TRANSISTOR 2SB1116-K	
		< RESISTOR >	
R201	1-249-417-11	CARBON 1K 5% 1/4W	
R202	1-249-437-11	CARBON 47K 5% 1/4W	
R203	1-249-417-11	CARBON 1K 5% 1/4W	
R204	1-249-441-11	CARBON 100K 5% 1/4W	
R205	1-249-417-11	CARBON 1K 5% 1/4W	
R206	1-249-421-11	CARBON 2.2K 5% 1/4W	
R207	1-249-425-11	CARBON 4.7K 5% 1/4W	
R208	1-249-427-11	CARBON 6.8K 5% 1/4W	
R209	1-249-439-11	CARBON 68K 5% 1/4W	
R210-214	1-249-437-11	CARBON 47K 5% 1/4W	
R215	1-249-441-11	CARBON 100K 5% 1/4W	
R216	1-249-437-11	CARBON 47K 5% 1/4W	
R251	1-249-417-11	CARBON 1K 5% 1/4W	
R252	1-249-437-11	CARBON 47K 5% 1/4W	
R253	1-249-417-11	CARBON 1K 5% 1/4W	
R254	1-249-441-11	CARBON 100K 5% 1/4W	
R255	1-249-417-11	CARBON 1K 5% 1/4W	
R256	1-249-421-11	CARBON 2.2K 5% 1/4W	
R257	1-249-425-11	CARBON 4.7K 5% 1/4W	
R258	1-249-427-11	CARBON 6.8K 5% 1/4W	
R259	1-249-441-11	CARBON 100K 5% 1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description				Remark
R260-264						
	1-249-437-11	CARBON	47K	5%	1/4W	
R265	1-249-441-11	CARBON	100K	5%	1/4W	
R266	1-249-437-11	CARBON	47K	5%	1/4W	
R301	1-249-425-11	CARBON	4.7K	5%	1/4W	
R302	1-249-441-11	CARBON	100K	5%	1/4W	
R303	1-249-425-11	CARBON	4.7K	5%	1/4W	
R304-310						
	1-247-903-00	CARBON	1M	5%	1/4W	
R320	1-247-807-31	CARBON	100	5%	1/4W	
R321	1-249-417-11	CARBON	1K	5%	1/4W	
R322	1-249-417-11	CARBON	1K	5%	1/4W	
R323	1-249-425-11	CARBON	4.7K	5%	1/4W	
R324	1-249-432-11	CARBON	18K	5%	1/4W	
R325	1-249-428-11	CARBON	8.2K	5%	1/4W	
R331	1-249-421-11	CARBON	2.2K	5%	1/4W	
R332	1-247-891-00	CARBON	330K	5%	1/4W	
R333	1-249-441-11	CARBON	100K	5%	1/4W	
R334	1-249-432-11	CARBON	18K	5%	1/4W	
R335	1-249-435-11	CARBON	33K	5%	1/4W	
R336	1-247-903-00	CARBON	1M	5%	1/4W	
R337	1-247-876-11	CARBON	75K	5%	1/4W	
R338	1-247-887-00	CARBON	220K	5%	1/4W	
R339	1-249-432-11	CARBON	18K	5%	1/4W	
R340	1-249-421-11	CARBON	2.2K	5%	1/4W	
R341	1-249-425-11	CARBON	4.7K	5%	1/4W	
R342	1-249-429-11	CARBON	10K	5%	1/4W	(E, AR, MX, JE)
R344	1-249-429-11	CARBON	10K	5%	1/4W	
R345	1-249-417-11	CARBON	1K	5%	1/4W	
R346	1-249-441-11	CARBON	100K	5%	1/4W	
R351	1-249-425-11	CARBON	4.7K	5%	1/4W	
R352	1-249-441-11	CARBON	100K	5%	1/4W	
R353	1-249-425-11	CARBON	4.7K	5%	1/4W	
R354-360						
	1-247-903-00	CARBON	1M	5%	1/4W	
R381	1-249-421-11	CARBON	2.2K	5%	1/4W	
R382	1-247-891-00	CARBON	330K	5%	1/4W	
R383	1-249-441-11	CARBON	100K	5%	1/4W	
R384	1-249-432-11	CARBON	18K	5%	1/4W	
R385	1-249-435-11	CARBON	33K	5%	1/4W	
R386	1-247-903-00	CARBON	1M	5%	1/4W	
R387	1-247-876-11	CARBON	75K	5%	1/4W	
R388	1-247-887-00	CARBON	220K	5%	1/4W	
R389	1-249-432-11	CARBON	18K	5%	1/4W	
R390	1-249-421-11	CARBON	2.2K	5%	1/4W	
R391	1-249-425-11	CARBON	4.7K	5%	1/4W	
R392	1-249-429-11	CARBON	10K	5%	1/4W	(E, AR, MX, JE)
R501-506						
	1-249-417-11	CARBON	1K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R507	1-247-807-31	CARBON	100	5%	1/4W	
R508	1-249-435-11	CARBON	33K	5%	1/4W	
R509	1-249-441-11	CARBON	100K	5%	1/4W	
R510	1-249-435-11	CARBON	33K	5%	1/4W	
R511	1-249-441-11	CARBON	100K	5%	1/4W	
R512	1-249-419-11	CARBON	1.5K	5%	1/4W	
R513	1-249-429-11	CARBON	10K	5%	1/4W	
R514	1-249-429-11	CARBON	10K	5%	1/4W	
R515	1-247-807-31	CARBON	100	5%	1/4W	
R516	1-249-417-11	CARBON	1K	5%	1/4W	
R517	1-249-417-11	CARBON	1K	5%	1/4W	
R521-524						
	1-249-433-11	CARBON	22K	5%	1/4W	
R525	1-249-429-11	CARBON	10K	5%	1/4W	
R526	1-249-429-11	CARBON	10K	5%	1/4W	
R527	1-249-433-11	CARBON	22K	5%	1/4W	
R528	1-249-433-11	CARBON	22K	5%	1/4W	
R651	1-249-435-11	CARBON	33K	5%	1/4W	
R652	1-249-435-11	CARBON	33K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
R654	1-249-441-11	CARBON	100K	5%	1/4W	
R655	1-249-426-11	CARBON	5.6K	5%	1/4W	
R656	1-249-426-11	CARBON	5.6K	5%	1/4W	
R657	1-249-429-11	CARBON	10K	5%	1/4W	
R658	1-249-425-11	CARBON	4.7K	5%	1/4W	
R659	1-249-441-11	CARBON	100K	5%	1/4W	
R660	1-249-426-11	CARBON	5.6K	5%	1/4W	
R661	1-249-416-11	CARBON	820	5%	1/4W	
R961	1-249-421-11	CARBON	2.2K	5%	1/4W	
R962	1-249-413-11	CARBON	470	5%	1/4W	
R963	1-249-413-11	CARBON	470	5%	1/4W	
R964	1-249-425-11	CARBON	4.7K	5%	1/4W	

< TERMINAL >

TM501	1-537-240-31	TERMINAL BOARD (CHECKER PIN) (SPEAKER)	

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*	A-4377-539-A	POWER BOARD, COMPLETE (US)	
*	A-4377-551-A	POWER BOARD, COMPLETE (Canadian)	
*	A-4377-559-A	POWER BOARD, COMPLETE (E, AR, MX, JE)	

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< CAPACITOR >

C701	1-124-925-11	ELECT	2.2uF	20%	100V
C702	1-162-286-31	CERAMIC	220PF	10%	50V
C703	1-162-282-31	CERAMIC	100PF	10%	50V
C704	1-104-664-11	ELECT	47uF	20%	25V
C705	1-126-967-11	ELECT	47uF	20%	50V

POWER

Ref. No.	Part No.	Description			Remark
C706	1-128-576-11	ELECT	100uF	20% 63V	(US, Canadian)
C706	1-124-122-11	ELECT	100uF	20% 50V	(E, AR, MX, JE)
C707	1-124-927-11	ELECT	4.7uF	20% 100V	
C708	1-128-551-11	ELECT	22uF	20% 63V	
C709	1-164-159-11	CERAMIC	0.1uF	50V	
C710	1-136-163-00	FILM	0.068uF	5% 50V	
C711	1-136-163-00	FILM	0.068uF	5% 50V	
C731	1-162-306-11	CERAMIC	0.01uF	30% 16V	
C732	1-162-306-11	CERAMIC	0.01uF	30% 16V	
C735	1-126-967-11	ELECT	47uF	20% 50V	
C751	1-124-925-11	ELECT	2.2uF	20% 100V	
C752	1-162-286-31	CERAMIC	220PF	10% 50V	
C753	1-162-282-31	CERAMIC	100PF	10% 50V	
C754	1-104-664-11	ELECT	47uF	20% 25V	
C755	1-126-967-11	ELECT	47uF	20% 50V	
C756	1-128-576-11	ELECT	100uF	20% 63V	(US, Canadian)
C756	1-124-122-11	ELECT	100uF	20% 50V	(E, AR, MX, JE)
C757	1-124-927-11	ELECT	4.7uF	20% 100V	
C760	1-136-163-00	FILM	0.068uF	5% 50V	
C761	1-136-163-00	FILM	0.068uF	5% 50V	
C763	1-124-903-11	ELECT	1uF	20% 50V	
C764	1-126-923-11	ELECT	220uF	20% 10V	
C765	1-126-923-11	ELECT	220uF	20% 10V	
C767	1-126-933-11	ELECT	100uF	20% 10V	
C901	1-128-553-11	ELECT	220uF	20% 63V	
C902	1-136-153-00	FILM	0.01uF	5% 50V	
C903	1-136-153-00	FILM	0.01uF	5% 50V	
C904	1-136-165-00	FILM	0.1uF	5% 50V	
C905	1-136-165-00	FILM	0.1uF	5% 50V	
C906	1-128-578-11	ELECT	1uF	20% 100V	
C907	1-104-482-11	ELECT	4700uF	20% 63V	(US, Canadian)
C907	1-126-258-11	ELECT	4700uF	20% 56V	(E, AR, MX, JE)
C908	1-104-482-11	ELECT	4700uF	20% 63V	(US, Canadian)
C908	1-126-258-11	ELECT	4700uF	20% 56V	(E, AR, MX, JE)
C909	1-164-159-11	CERAMIC	0.1uF	50V	(E, AR, MX, JE)
C910	1-126-964-11	ELECT	10uF	20% 50V	
C911	1-126-964-11	ELECT	10uF	20% 50V	
		< CONNECTOR >			
* CN701	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN703	1-766-951-11	CONNECTOR, BOARD TO BOARD 13P			
CN901	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< DIODE >			
D701	8-719-815-85	DIODE 1S1585			
D702	8-719-987-63	DIODE 1N4148M			
D751	8-719-815-85	DIODE 1S1585			
D752	8-719-987-63	DIODE 1N4148M			
D753	8-719-987-63	DIODE 1N4148M			
D754	8-719-987-63	DIODE 1N4148M			
D901	8-719-200-82	DIODE 11ES2			
D902	8-719-200-82	DIODE 11ES2			
D903	8-719-987-63	DIODE 1N4148M			
D904	8-719-987-63	DIODE 1N4148M			
D905	8-719-815-85	DIODE 1S1585			
D906	8-719-815-85	DIODE 1S1585			
D907	8-719-510-68	DIODE D5SBA20F01			
		< PLATE, GROUND >			
* E901	4-942-204-01	PLATE, GROUND			
		< IC >			
IC701	8-749-921-68	IC STK-4231MK2 (US, Canadian)			
IC701	8-749-900-24	IC STK-4162MK2 (E, AR, MX, JE)			
IC751	8-759-111-68	IC uPC1237HA			
IC901	8-759-604-86	IC M5F7807			
IC902	8-759-604-90	IC M5F7907L			
IC903	8-759-947-34	IC LM35DZ (E, AR, MX, JE)			
		< COIL >			
L701	1-420-872-00	COIL, AIR-CORE			
L751	1-420-872-00	COIL, AIR-CORE			
		< TRANSISTOR >			
Q701	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			
Q702	8-729-900-80	TRANSISTOR DTC114ES			
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q751	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			
Q752	8-729-900-63	TRANSISTOR DTA124ES			
Q901	8-729-255-12	TRANSISTOR 2SC2551-O			
Q902	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q953	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R701	1-249-414-11	CARBON 560 5% 1/4W			
R702	1-249-438-11	CARBON 56K 5% 1/4W			
R703	1-249-414-11	CARBON 560 5% 1/4W			
R704	1-249-438-11	CARBON 56K 5% 1/4W			
R705	1-249-429-11	CARBON 10K 5% 1/4W			(US, Canadian)

Ref. No.	Part No.	Description			Remark
R705	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R706	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R706	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R707	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R707	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R708	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R708	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
⚠R709	1-212-881-11	FUSIBLE 100	5%	1/4W	F
⚠R710	1-217-151-00	RES, METAL PLATE 0.22			
R711	1-249-417-11	CARBON 1K	5%	1/4W	
R712	1-249-431-11	CARBON 15K	5%	1/4W	
R713	1-249-441-11	CARBON 100K	5%	1/4W	
R714	1-249-425-11	CARBON 4.7K	5%	1/4W	(US, Canadian)
R714	1-249-421-11	CARBON 2.2K	5%	1/4W	(E, AR, MX, JE)
R715	1-249-425-11	CARBON 4.7K	5%	1/4W	(US, Canadian)
R715	1-249-421-11	CARBON 2.2K	5%	1/4W	(E, AR, MX, JE)
R716	1-249-425-11	CARBON 4.7K	5%	1/4W	(US, Canadian)
R716	1-249-421-11	CARBON 2.2K	5%	1/4W	(E, AR, MX, JE)
R717	1-249-425-11	CARBON 4.7K	5%	1/4W	(US, Canadian)
R717	1-249-421-11	CARBON 2.2K	5%	1/4W	(E, AR, MX, JE)
R718-721					
	1-249-397-11	CARBON 22	5%	1/4W	
R722	1-249-438-11	CARBON 56K	5%	1/4W	
R723	1-249-439-11	CARBON 68K	5%	1/4W	
R724	1-249-417-11	CARBON 1K	5%	1/4W	
R725	1-249-437-11	CARBON 47K	5%	1/4W	
R726	1-249-433-11	CARBON 22K	5%	1/4W	
R727	1-249-426-11	CARBON 5.6K	5%	1/4W	
R728	1-249-418-11	CARBON 1.2K	5%	1/4W	(US, Canadian)
R728	1-249-417-11	CARBON 1K	5%	1/4W	(E, AR, MX, JE)
R729	1-249-418-11	CARBON 1.2K	5%	1/4W	(US, Canadian)
R729	1-249-417-11	CARBON 1K	5%	1/4W	(E, AR, MX, JE)
R730	1-249-429-11	CARBON 10K	5%	1/4W	
R731	1-247-881-00	CARBON 120K	5%	1/4W	
R732	1-249-437-11	CARBON 47K	5%	1/4W	
R740	1-247-899-11	CARBON 680K	5%	1/4W	
R751	1-249-414-11	CARBON 560	5%	1/4W	
R752	1-249-438-11	CARBON 56K	5%	1/4W	
R753	1-249-414-11	CARBON 560	5%	1/4W	
R754	1-249-438-11	CARBON 56K	5%	1/4W	
R755	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R755	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R756	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R756	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R757	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R757	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
R758	1-249-429-11	CARBON 10K	5%	1/4W	(US, Canadian)
R758	1-249-425-11	CARBON 4.7K	5%	1/4W	(E, AR, MX, JE)
⚠R759	1-212-881-11	FUSIBLE 100	5%	1/4W	F
⚠R760	1-217-151-00	RES, METAL PLATE 0.22			
R761	1-249-417-11	CARBON 1K	5%	1/4W	
R762	1-249-431-11	CARBON 15K	5%	1/4W	
R763	1-249-441-11	CARBON 100K	5%	1/4W	
R768-772					
	1-249-397-11	CARBON 22	5%	1/4W	
R773	1-249-435-11	CARBON 33K	5%	1/4W	
R775	1-247-903-00	CARBON 1M	5%	1/4W	
R778	1-249-418-11	CARBON 1.2K	5%	1/4W	(US, Canadian)
R778	1-249-417-11	CARBON 1K	5%	1/4W	(E, AR, MX, JE)
R779	1-249-418-11	CARBON 1.2K	5%	1/4W	(US, Canadian)
R779	1-249-417-11	CARBON 1K	5%	1/4W	(E, AR, MX, JE)
⚠R780	1-215-892-11	METAL OXIDE 1K	5%	2W F	(US, Canadian)
⚠R780	1-215-891-11	METAL OXIDE 680	5%	2W F	(E, AR, MX, JE)
R781	1-249-430-11	CARBON 12K	5%	1/4W	
R782	1-249-430-11	CARBON 12K	5%	1/4W	(US, Canadian)
R782	1-249-429-11	CARBON 10K	5%	1/4W	(E, AR, MX, JE)
R783	1-249-429-11	CARBON 10K	5%	1/4W	
R784	1-249-441-11	CARBON 100K	5%	1/4W	
R785	1-249-437-11	CARBON 47K	5%	1/4W	
R786	1-249-434-11	CARBON 27K	5%	1/4W	
R787	1-249-434-11	CARBON 27K	5%	1/4W	
R790	1-247-899-11	CARBON 680K	5%	1/4W	
⚠R901	1-219-136-11	FUSIBLE 0.22	5%	1/4W F	(US, Canadian)
⚠R902	1-219-136-11	FUSIBLE 0.22	5%	1/4W F	(US, Canadian)
⚠R903	1-215-891-11	METAL OXIDE 680	5%	2W F	(US, Canadian)
⚠R903	1-215-889-00	METAL OXIDE 330	5%	2W F	(E, AR, MX, JE)
R904-907					
	1-249-433-11	CARBON 22K	5%	1/4W	
		< RELAY >			
RY701	1-515-501-11	RELAY (US, Canadian)			
RY701	1-515-920-11	RELAY (24V) (E, AR, MX, JE)			
RY901	1-515-738-11	RELAY, POWER			
RY902	1-515-738-11	RELAY, POWER			

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*	1-656-220-11	SENSOR BOARD (US, Canadian)

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< CAPACITOR >

C5001	1-164-159-11	CERAMIC 0.1uF 50V (US, Canadian)

< CONNECTOR >

* CN5001	1-564-337-00	PIN, CONNECTOR 3P (US, Canadian)

< IC >

IC5001	8-759-947-34	IC LM35DZ (US, Canadian)

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TA PANEL

Ref.No.	Part No.	Description			Remark
*	A-4377-545-A	TA PANEL BOARD, COMPLETE (US, E, AR, MX, JE)			
*	A-4377-557-A	TA PANEL BOARD, COMPLETE (Canadian)			
		**********			
		< CAPACITOR >			
C812	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C813	1-124-261-00	ELECT	10uF	20%	50V
C814	1-124-465-00	ELECT	0.47uF	20%	50V
C816	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C817	1-126-177-11	ELECT	100uF	20%	10V
C818	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C819	1-164-232-11	CERAMIC CHIP	0.01uF		50V
		< DIODE >			
D813	8-719-988-62	DIODE	1SS355		
D851	8-719-988-62	DIODE	1SS355		
D852	8-719-977-00	DIODE	DTZ5.1C		
D891	8-719-026-64	LED	SML1260S (DBFB)		
D892	8-719-812-44	LED	TLO124 (ON/STANDBY)		
D894	8-719-026-64	LED	SML1260S (VIDEO/AUX)		
D895	8-719-026-64	LED	SML1260S (TAPE)		
D896	8-719-026-64	LED	SML1260S (MD/DAT)		
D897	8-719-026-64	LED	SML1260S (CD)		
D898	8-719-026-64	LED	SML1260S (TUNER)		
		< FLUORESCENT INDICATOR TUBE >			
FL801	1-517-216-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC811	8-759-165-82	IC	PST600E-T		
IC821	8-759-330-99	IC	TMP87CC78F-6248		
		< TRANSISTOR >			
Q811	8-729-024-88	TRANSISTOR	MUN2212T1		
Q851	8-729-010-29	TRANSISTOR	MSD601-RST1		
Q891	8-729-424-08	TRANSISTOR	UN2111		
Q892	8-729-424-08	TRANSISTOR	UN2111		
Q894-898	8-729-424-08	TRANSISTOR	UN2111		
		< RESISTOR >			
R811	1-216-073-00	METAL CHIP	10K	5%	1/10W
R813	1-216-081-00	METAL CHIP	22K	5%	1/10W
R821	1-216-073-00	METAL CHIP	10K	5%	1/10W
R822	1-216-073-00	METAL CHIP	10K	5%	1/10W
R826	1-216-073-00	METAL CHIP	10K	5%	1/10W
R827	1-216-073-00	METAL CHIP	10K	5%	1/10W
R828-843	1-216-025-91	METAL GLAZE	100	5%	1/10W

Ref.No.	Part No.	Description			Remark
R844	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R851	1-216-121-00	METAL CHIP	1M	5%	1/10W
R855-857	1-216-073-00	METAL CHIP	10K	5%	1/10W
R858	1-216-001-00	METAL CHIP	10	5%	1/10W
R861	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R862	1-216-041-00	METAL CHIP	470	5%	1/10W
R863	1-216-045-00	METAL CHIP	680	5%	1/10W
R864	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R865	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R866	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R867	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R868	1-216-075-00	METAL CHIP	12K	5%	1/10W
R871	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R872	1-216-041-00	METAL CHIP	470	5%	1/10W
R873	1-216-045-00	METAL CHIP	680	5%	1/10W
R874	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R875	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R876	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R877	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R891	1-216-033-00	METAL CHIP	220	5%	1/10W
R892	1-216-037-00	METAL CHIP	330	5%	1/10W
R894	1-216-037-00	METAL CHIP	330	5%	1/10W
		< VARIABLE RESISTOR >			
RV801	1-223-798-11	RES, VAR, CARBON 50K (LEVEL)			
		< SWITCH >			
S861	1-572-184-11	SWITCH, KEYBOARD (SYSTEM POWER)			
S862	1-572-184-11	SWITCH, KEYBOARD (DISPLAY)			
S864	1-572-184-11	SWITCH, KEYBOARD (CURSOR△)			
S865	1-572-184-11	SWITCH, KEYBOARD (CURSOR◁)			
S866	1-572-184-11	SWITCH, KEYBOARD (CURSOR▽)			
S867	1-572-184-11	SWITCH, KEYBOARD (CURSOR▷)			
S868	1-572-184-11	SWITCH, KEYBOARD (FUNCTION)			
S872	1-572-184-11	SWITCH, KEYBOARD (DBFB)			
S873	1-572-184-11	SWITCH, KEYBOARD (KARAOKE PON)			
S874	1-572-184-11	SWITCH, KEYBOARD (EFFECT)			
S875	1-572-184-11	SWITCH, KEYBOARD (MEMORY)			
S876	1-572-184-11	SWITCH, KEYBOARD (MODE ON)			
S877	1-572-184-11	SWITCH, KEYBOARD (MODE OFF)			
		< VIBRATOR >			
X821	1-579-125-11	VIBRATOR, CERAMIC (8MHz)			

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TC

Ref. No.	Part No.	Description			Remark
*	A-4377-543-A	TC BOARD, COMPLETE (US, E, AR, MX, JE)			
*	A-4377-555-A	TC BOARD, COMPLETE (Canadian)			
		**********			
*	4-960-311-01	HOLDER, FL TUBE			
		< CAPACITOR >			
C401	1-164-346-11	CERAMIC CHIP	1uF		16V
C402	1-124-925-11	ELECT	2.2uF	20%	100V
C403	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C404	1-124-925-11	ELECT	2.2uF	20%	100V
C405	1-124-925-11	ELECT	2.2uF	20%	100V
C406	1-124-443-00	ELECT	100uF	20%	10V
C407	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C408	1-124-907-11	ELECT	10uF	20%	50V
C409	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C410	1-124-927-11	ELECT	4.7uF	20%	100V
C411	1-124-902-00	ELECT	0.47uF	20%	50V
C412	1-124-927-11	ELECT	4.7uF	20%	100V
C413	1-106-351-00	MYLAR	2200PF	5%	200V
C414	1-106-351-00	MYLAR	2200PF	5%	200V
C415	1-136-174-00	FILM	0.56uF	5%	50V
C416	1-136-171-00	FILM	0.33uF	5%	50V
C417	1-126-163-11	ELECT	4.7uF	20%	50V
C431	1-164-346-11	CERAMIC CHIP	1uF		16V
C432	1-124-925-11	ELECT	2.2uF	20%	100V
C433	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C434	1-124-925-11	ELECT	2.2uF	20%	100V
C435	1-124-925-11	ELECT	2.2uF	20%	100V
C436	1-124-443-00	ELECT	100uF	20%	10V
C437	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C438	1-124-907-11	ELECT	10uF	20%	50V
C439	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C440	1-124-927-11	ELECT	4.7uF	20%	100V
C441	1-124-902-00	ELECT	0.47uF	20%	50V
C442	1-124-927-11	ELECT	4.7uF	20%	100V
C443	1-106-351-00	MYLAR	2200PF	5%	200V
C444	1-106-351-00	MYLAR	2200PF	5%	200V
C445	1-136-174-00	FILM	0.56uF	5%	50V
C446	1-136-171-00	FILM	0.33uF	5%	50V
C447	1-124-927-11	ELECT	4.7uF	20%	100V
C4001	1-124-443-00	ELECT	100uF	20%	10V
C4002	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C4004	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C4005	1-124-902-00	ELECT	0.47uF	20%	50V
C4006-4008					
	1-126-103-11	ELECT	470uF	20%	16V
C4009	1-124-902-00	ELECT	0.47uF	20%	50V
C4010	1-124-472-11	ELECT	470uF	20%	10V
C4011	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C4012	1-124-472-11	ELECT	470uF	20%	10V
C4013	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C4014	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C4015	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C4016	1-124-907-11	ELECT	10uF	20%	50V
C4017	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C4020	1-124-907-11	ELECT	10uF	20%	50V
C4021	1-124-907-11	ELECT	10uF	20%	50V
C4030	1-124-927-11	ELECT	4.7uF	20%	100V
C4031	1-124-903-11	ELECT	1uF	20%	50V
C4036	1-124-907-11	ELECT	10uF	20%	50V
C4041	1-124-927-11	ELECT	4.7uF	20%	100V
C4042	1-124-902-00	ELECT	0.47uF	20%	50V
C4045	1-124-907-11	ELECT	10uF	20%	50V
C4046	1-124-925-11	ELECT	2.2uF	20%	100V
C4047	1-124-443-00	ELECT	100uF	20%	10V
C4048	1-124-443-00	ELECT	100uF	20%	10V
C4049	1-124-907-11	ELECT	10uF	20%	50V
C4050	1-126-233-11	ELECT	22uF	20%	50V
C4051	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C4052	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
* CN401	1-568-858-11	SOCKET, CONNECTOR 15P			
CN4001	1-750-585-11	CONNECTOR, FFC/FPC 7P			
CN4002	1-580-783-11	CONNECTOR, BOARD TO BOARD			
CN4003	1-750-585-11	CONNECTOR, FFC/FPC 7P			
CN4004	1-580-783-11	CONNECTOR, BOARD TO BOARD			
CN4005	1-580-783-11	CONNECTOR, BOARD TO BOARD			
CN4006	1-750-234-11	CONNECTOR, FFC/FPC 17P			
		< DIODE >			
D4003	8-719-988-62	DIODE	1SS355		
D4004	8-719-988-62	DIODE	1SS355		
D4005	8-719-200-02	DIODE	10E2		
D4006	8-719-200-02	DIODE	10E2		
D4007	8-719-988-62	DIODE	1SS355		
D4008	8-719-988-62	DIODE	1SS355		
D4009	8-719-976-66	DIODE	DTZ2.0A		
D4101	8-719-988-62	DIODE	1SS355		
D4102	8-719-988-62	DIODE	1SS355		
D4104	8-719-988-62	DIODE	1SS355		
		< IC >			
IC401	8-752-058-57	IC	CXA1599Q		
IC402	8-759-998-71	IC	BA3308F		
IC403	8-752-037-90	IC	CXA1331M		
IC4001	8-759-333-94	IC	M38123M4-116FP		

TC

Ref. No.	Part No.	Description				Remark
IC4002	8-759-165-82	IC	PST600E-T			
IC4003	8-759-266-35	IC	TA8242AK			
IC4004	8-759-009-06	IC	MC14052BF			
		< COIL >				
L4001	1-410-482-31	INDUCTOR	100uH			
L4002	1-410-470-11	INDUCTOR	10uH			
		< TRANSISTOR >				
Q401	8-729-602-21	TRANSISTOR	2SC4154-F			
Q431	8-729-602-21	TRANSISTOR	2SC4154-F			
Q4003	8-729-140-75	TRANSISTOR	2SD999-CLCK			
Q4004	8-729-140-75	TRANSISTOR	2SD999-CLCK			
Q4005	8-729-421-22	TRANSISTOR	UN2211			
Q4007-4009						
	8-729-421-19	TRANSISTOR	UN2213			
Q4011	8-729-602-21	TRANSISTOR	2SC4154-F			
Q4012	8-729-602-36	TRANSISTOR	2SA1602-F			
Q4013	8-729-805-66	TRANSISTOR	2SA1496-TB			
Q4014	8-729-421-19	TRANSISTOR	UN2213			
Q4027	8-729-421-19	TRANSISTOR	UN2213			
Q4030	8-729-424-08	TRANSISTOR	UN2111			
Q4031	8-729-403-07	TRANSISTOR	XN1213			
Q4032	8-729-403-07	TRANSISTOR	XN1213			
		< RESISTOR >				
R401	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R402	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R403	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R404	1-216-054-00	METAL GLAZE	1.6K	5%	1/10W	
R405	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R406	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R407	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R408	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R410	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R411	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R412	1-216-093-00	METAL CHIP	68K	5%	1/10W	
R413	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R414	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R415	1-216-050-00	METAL GLAZE	1.1K	5%	1/10W	
R416	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R417	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R418	1-216-082-00	METAL GLAZE	24K	5%	1/10W	
R419	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R431	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R432	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R433	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R434	1-216-054-00	METAL GLAZE	1.6K	5%	1/10W	
R435	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R436	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R437	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R438	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R440	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R441	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R442	1-216-093-00	METAL CHIP	68K	5%	1/10W	
R443	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R444	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R445	1-216-050-00	METAL GLAZE	1.1K	5%	1/10W	
R446	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R447	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R448	1-216-082-00	METAL GLAZE	24K	5%	1/10W	
R449	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R4001	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4002	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4006	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4007	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4015	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4016	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R4019	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R4020	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R4021	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R4022	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4023	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4024	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R4025-4027						
	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4028	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R4029	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4030	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R4031	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4032	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R4033	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4034	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4037	1-216-043-91	METAL GLAZE	560	5%	1/10W	
R4040	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R4041	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R4042	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R4043	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4044	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R4048	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R4049	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R4050	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R4056	1-216-001-00	METAL CHIP	10	5%	1/10W	
R4060	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R4061	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R4070	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R4073	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R4074	1-216-078-00	METAL GLAZE	16K	5%	1/10W	

Ref.No.	Part No.	Description			Remark
R4075	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4076	1-216-083-00	METAL CHIP	27K	5%	1/10W
R4077-4079					
	1-216-025-91	METAL GLAZE	100	5%	1/10W
R4081-4083					
	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4084	1-216-041-00	METAL CHIP	470	5%	1/10W
R4085	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4086	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4087	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R4089	1-216-090-00	METAL CHIP	51K	5%	1/10W
R4090	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4091	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R4097	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4100	1-216-121-00	METAL CHIP	1M	5%	1/10W
R4101	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4102	1-216-081-00	METAL CHIP	22K	5%	1/10W
R4111	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R4112	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R4113	1-216-085-00	METAL CHIP	33K	5%	1/10W
R4117	1-216-073-00	METAL CHIP	10K	5%	1/10W
R4118	1-216-025-91	METAL GLAZE	100	5%	1/10W
R4120-4127					
	1-216-037-00	METAL CHIP	330	5%	1/10W
R4128-4131					
	1-216-025-91	METAL GLAZE	100	5%	1/10W
R4132	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R4133	1-216-001-00	METAL CHIP	10	5%	1/10W
R4145	1-216-295-00	METAL CHIP	0	5%	1/10W
R4147	1-216-295-00	METAL CHIP	0	5%	1/10W
		< VIBRATOR >			
X4001	1-567-819-11	VIBRATOR, CERAMIC (4MHz)			
		< VARIABLE RESISTOR >			
RV401	1-241-785-11	RES, ADJ, CARBON 10K (REC LEVEL L)			
RV431	1-241-785-11	RES, ADJ, CARBON 10K (REC LEVEL R)			
		< CONNECTOR >			
* TP401	1-564-518-11	PLUG, CONNECTOR 3P			
TP4001	1-564-517-11	PLUG, CONNECTOR 2P			
**********					
*	A-4377-544-A	TC PANEL BOARD, COMPLETE (US, E, AR, MX, JE)			
*	A-4377-556-A	TC PANEL BOARD, COMPLETE (Canadian)			
		**********			
		< CONNECTOR >			
CN4501	1-568-860-11	SOCKET, CONNECTOR 17P			

Ref.No.	Part No.	Description	Remark
		< DIODE >	
D4501	8-719-026-66	LED SML1460E (◁)	
D4502	8-719-026-66	LED SML1460E (▷)	
D4503	8-719-026-64	LED SML1260S (NORMAL)	
D4504	8-719-026-64	LED SML1260S (HIGHT)	
D4505	8-719-026-64	LED SML1260S (CD SYNCHRO)	
D4506	8-719-046-36	LED SEL5921A-TH15 (❚❚ PAUSE)	
D4507	8-719-026-66	LED SML1460E (◁)	
D4508	8-719-026-66	LED SML1460E (▷)	
D4509	8-719-026-64	LED SML1260S (● REC)	
		< RESISTOR >	
R4501	1-216-073-00	METAL CHIP 10K 5%	1/10W
R4502	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R4503	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R4504	1-216-059-00	METAL CHIP 2.7K 5%	1/10W
R4505	1-216-063-00	METAL CHIP 3.9K 5%	1/10W
R4506	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R4507	1-216-073-00	METAL CHIP 10K 5%	1/10W
R4508	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R4509	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R4510	1-216-059-00	METAL CHIP 2.7K 5%	1/10W
R4511	1-216-063-00	METAL CHIP 3.9K 5%	1/10W
R4512	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R4513	1-216-077-00	METAL CHIP 15K 5%	1/10W
R4514	1-216-073-00	METAL CHIP 10K 5%	1/10W
R4515	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R4516	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R4517	1-216-059-00	METAL CHIP 2.7K 5%	1/10W
R4518	1-216-063-00	METAL CHIP 3.9K 5%	1/10W
R4519	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R4520	1-216-077-00	METAL CHIP 15K 5%	1/10W
R4521	1-216-089-00	METAL CHIP 47K 5%	1/10W
R4522	1-216-073-00	METAL CHIP 10K 5%	1/10W
R4523	1-216-073-00	METAL CHIP 10K 5%	1/10W
		< SWITCH >	
S4501	1-572-184-11	SWITCH, KEYBOARD (■ DECK B)	
S4502	1-572-184-11	SWITCH, KEYBOARD (▷ DECK B)	
S4503	1-572-184-11	SWITCH, KEYBOARD (◁ DECK B)	
S4504	1-572-184-11	SWITCH, KEYBOARD (❚❚ PAUSE DECK B)	
S4505	1-572-184-11	SWITCH, KEYBOARD (◀◀ AMS DECK A)	
S4506	1-572-184-11	SWITCH, KEYBOARD (▶▶ AMS DECK A)	
S4507	1-572-184-11	SWITCH, KEYBOARD (■ DECK A)	
S4508	1-572-184-11	SWITCH, KEYBOARD (▷ DECK A)	
S4509	1-572-184-11	SWITCH, KEYBOARD (◁ DECK A)	
S4510	1-572-184-11	SWITCH, KEYBOARD (◀◀ AMS DECK B)	
S4511	1-572-184-11	SWITCH, KEYBOARD (▶▶ AMS DECK B)	

TC PANEL | TRANS | VOL | V SEL

Ref. No.	Part No.	Description	Remark
S4512	1-572-184-11	SWITCH, KEYBOARD (●REC DECK B)	
S4513	1-572-184-11	SWITCH, KEYBOARD (DUBBING NORMAL)	
S4514	1-572-184-11	SWITCH, KEYBOARD (DUBBING HIGH)	
S4515	1-572-184-11	SWITCH, KEYBOARD (CD SYNCHRO DECK B)	
S4516	1-572-184-11	SWITCH, KEYBOARD (○REC MUTE DECK B)	
S4521	1-572-378-11	SWITCH, SLIDE (DIRECTION)	
S4522	1-572-378-11	SWITCH, SLIDE (DOLBY NR)	
**********			
*	1-653-988-11	TRANS BOARD	
		**********	
	1-533-293-11	FUSE HOLDER	
		< CONNECTOR >	
CN102	1-564-523-11	PLUG, CONNECTOR 8P	
CN103	1-564-321-00	PIN, CONNECTOR 2P (US, Canadian)	
CN103	1-568-106-11	PIN, CONNECTOR 4P (E, AR, MX, JE)	
		< FUSE >	
⚠F101	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F101	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F102	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F102	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F103	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
⚠F103	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F104	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
⚠F104	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F111	1-576-110-11	FUSE (6A) (US, Canadian)	
		< RESISTOR >	
⚠R111	1-202-725-00	SOLID 3.3M 10% 1/2W F (US, Canadian)	
⚠T901	1-427-826-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-427-827-11	TRANSFORMER, POWER (E, AR, MX, JE)	
**********			
*	1-653-987-11	VOL BOARD	
		*********	
		< CAPACITOR >	
C601	1-126-964-11	ELECT 10uF 20% 50V	
C602	1-162-306-11	CERAMIC 0.01uF 30% 16V	
		< CONNECTOR >	
* CN601	1-569-504-11	PIN, CONNECTOR 9P	
* CN602	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< DIODE >	
D601	8-719-200-82	DIODE 11ES2	

Ref. No.	Part No.	Description	Remark
		< IC >	
IC601	8-759-962-08	IC BA6208	
		< TRANSISTOR >	
Q601	8-729-900-61	TRANSISTOR DTA114ES	
		< RESISTOR >	
R601	1-249-429-11	CARBON 10K 5% 1/4W	
R602	1-249-429-11	CARBON 10K 5% 1/4W	
R603	1-249-411-11	CARBON 330 5% 1/4W	
		< VARIABLE RESISTOR >	
RV601	1-223-487-21	RES, VAR, CARBON 100K/100K (VOLUME)	
**********			
*	1-653-989-11	V SEL BOARD (E, AR, MX, JE)	
		**********	
	1-533-293-11	FUSE HOLDER (E, AR, MX, JE)	
		< CONNECTOR >	
CN151	1-564-321-00	PIN, CONNECTOR 2P (E, AR, MX, JE)	
		< FUSE >	
⚠F151	1-532-350-00	FUSE (4A/250V) (E, AR, MX, JE)	
⚠F152	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
		< SWITCH >	
⚠S151	1-572-009-11	SELECTOR, VOLTAGE (120/220/230-240V)	(E, AR, MX, JE)
**********			
		MISCELLANEOUS	
		**********	
10	1-590-882-21	WIRE, FLAT TYPE (15 CORE)	
11	1-769-172-11	WIRE (FLAT TYPE) (25 CORE)	
65	1-769-173-11	WIRE (FLAT TYPE) (17 CORE)	
⚠68	1-574-805-11	CORD, POWER (AR)	
⚠68	1-574-902-11	CORD, POWER (E, MX, JE)	
⚠68	1-575-975-11	CORD, POWER (US, Canadian)	
111	1-765-404-11	WIRE (FLAT TYPE) (7 CORE)	
⚠F101	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F101	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F102	1-532-285-00	FUSE (1.25A/250V) (E, AR, MX, JE)	
⚠F102	1-576-101-11	FUSE (1.25A/250V) (US, Canadian)	
⚠F103	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
⚠F103	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F104	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
⚠F104	1-576-104-11	FUSE (2A/250V) (US, Canadian)	
⚠F111	1-576-110-11	FUSE (6A) (US, Canadian)	
⚠F151	1-532-350-00	FUSE (4A/250V) (E, AR, MX, JE)	
⚠F152	1-532-203-00	FUSE (2A/250V) (E, AR, MX, JE)	
HP101	A-2003-757-A	BASE ASSY, HEAD (DECK A)	
HRP101	A-2003-930-A	BASE ASSY, HEAD (DECK B)	
M101A	X-3363-501-2	MOTOR ASSY (REEL) (DECK A)	
M102A	X-3365-377-1	MOTOR ASSY (CAPSTAN) (DECK A)	
M201B	X-3363-501-2	MOTOR ASSY (REEL) (DECK B)	
M202B	X-3365-377-1	MOTOR ASSY (CAPSTAN) (DECK B)	
M651	1-698-173-11	MOTOR, FAN (DC)	

****

HARDWARE LIST

****

#1	7-685-646-79	SCREW +BVTP 3×8 TYPE2 N-S	
#2	7-685-650-79	SCREW +BVTP 3×16 TYPE2 IT-3	
#3	7-621-849-00	SCREW, TAPPING	
#4	7-621-770-67	SCREW +PTT 2.6×6 (S)	
#5	7-627-556-08	SCREW +P 2.6×2.8	
#6	7-621-775-00	SCREW +B 2.6×3	
#7	7-685-871-01	SCREW +BVTT 3×6 (S)	
#8	7-682-548-04	SCREW +BVTT 3×8 (S)	

9-959-824-11

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

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Quality Engineering Dept.

DXA-S70C

SONY

SERVICE MANUAL

US Model
Canadian Model
E Model
Tourist Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject: Addition of the Connectors

(SFD-00006)

ELECTRICAL PARTS LIST

Page	Ref. No.	Part No.	Description
51	(MAIN BOARD) CN502	1-568-841-11	SOCKET, CONNECTOR 25P
56	(TA PANEL BOARD) CN801	1-568-867-11	SOCKET, CONNECTOR 25P

9-959-824-81

Sony Corporation
Audio Entertainment Group

2000K051626-1D
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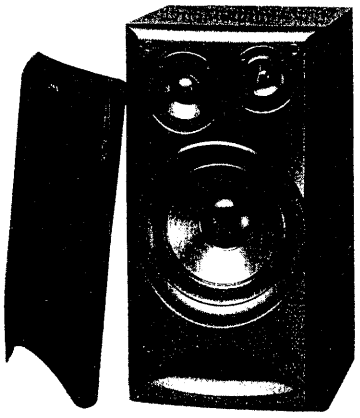
SS-S700

SERVICE MANUAL

US Model
Canadian Model
E Model
Tourist Model



This set is the speaker system in MHC-C7EX.

SPECIFICATIONS

Speaker system	3-way bass-reflex type
Speaker units	Woofer : 17 cm dia., cone type
	Tweeter : 2.5 cm dia., soft dome type
	Super tweeter : 2 cm dia., dome type
Rated impedance	6 ohms
Dimensions	Approx. 220 × 410 × 290 mm (w/h/d)
	(8 ¾ × 16 ¼ × 11 ½ inches)
Mass	Approx. 6.6 kg
	(14 lb 9 oz) net per

Design and specifications are subject to change without notice.

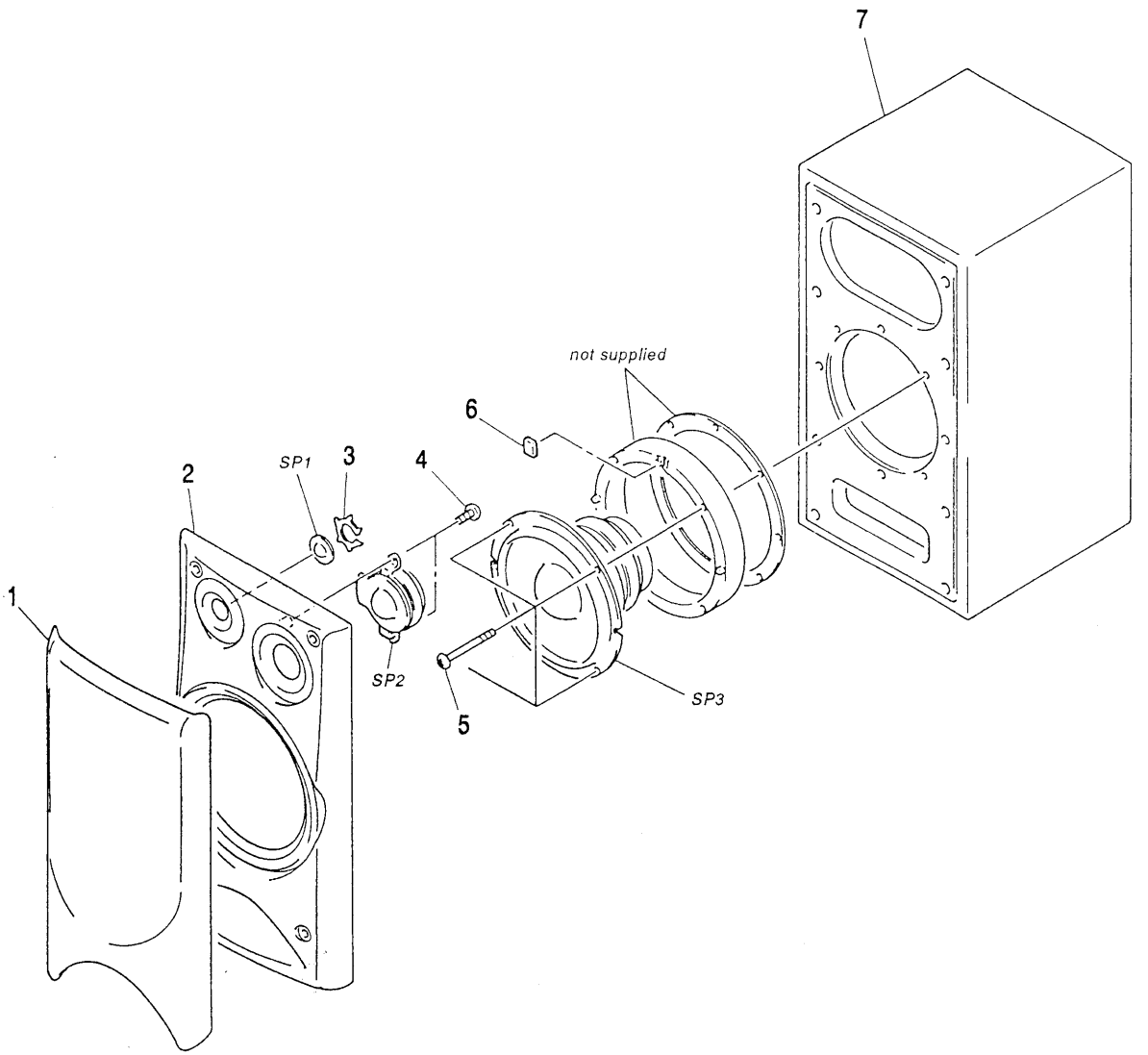
SPEAKER SYSTEM

SONY®

EXPLODED VIEW AND PARTS LIST

NOTE :

- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description	Remark
1	X-4945-348-1	FRAME ASSY, GRILLE	
2	X-4945-346-1	PANEL (L) ASSY, FRONT	
2	X-4945-347-1	PANEL (R) ASSY, FRONT	
3	4-962-009-01	RING, RETAINING	
4	7-685-661-79	SCREW +BVTP 4X12 TYPE 2	
5	7-621-849-50	SCREW, WOOD +R 4.1X40	
6	9-911-844-XX	PACKING	
* 7	A-4361-413-A	CABINET ASSY, SPEAKER	

Ref. No.	Part No.	Description	Remark
SP1	1-504-435-11	SPEAKER (2CM) (SUPER TWEETER)	
SP2	1-504-745-11	SPEAKER (2.5CM) (TWEETER)	
SP3	1-504-676-11	SPEAKER (17CM) (WOOFER)	
**********			
		PACKING MATERIALS	
		**********	
*	4-971-162-01	CUSHION	

9-959-793-11

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Consumer A&V Products Company
Home A&V Products Div.

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